



November 29, 2022

Ms. Ellen Jackson
Oil Control Program
Maryland Department of the Environment
1800 Washington Blvd.
Baltimore, Maryland 21230

RE: **THIRD QUARTER 2022 MONITORING REPORT WITH MDE DIRECTIVE REQUIREMENT SUMMARY**

Carroll Independent Fuel – High's #141
19200 Middletown Road
Parkton, Maryland
OCP Case #2006-0319-BA2

Dear Ms. Jackson,

Groundwater & Environmental Services, Inc. (GES), on behalf of Carroll Independent Fuel (CIFIC), is pleased to submit the *Third Quarter 2022 Monitoring Report* (QMR) for the abovementioned facility (Site).

In summary, the following activities were conducted for the Site during this monitoring period:

- Quarterly groundwater level gauging of all accessible onsite and offsite monitoring wells was completed on August 22, 2022;
- Quarterly sampling of all accessible monitoring wells was completed August 23-26 and 29, 2022;
- Quarterly point-of-entry treatment (POET) system sampling at 1606 Rayville Road was completed on August 25, 2022; and,
- Quarterly potable sampling at 1608 Rayville Road and 1612 Rayville Road was completed on August 29 and 25, 2022, respectively.

This Third Quarter 2022 Monitoring Event was also supplemented with additional sampling and reporting to accommodate MDE directive requirements issued to CIFIC in correspondence dated June 17, 2022. Specifically, this Third Quarter 2022 Monitoring Report provides the following:

- Analytical results for 36 of 40 monitoring wells comprising the current monitoring network with the following noted exceptions:
 - Monitoring wells MW-19 A, MW-19 B, MW-20A and MW-20B were not able to be sampled during the Third Quarter 2022 event due to inaccessibility within a corn field. However, these wells were successfully sampled during the Fourth Quarter 2022 monitoring event completed November 16 and 17, 2022. The Fourth Quarter 2022 analytical results for wells MW-19 A, MW-19 B, MW-20A and MW-20B will be provided to the MDE as a separate correspondence, once finalized reports have been issued from the laboratory.
- Analytical results for three of six potable supply wells with the following noted exceptions:
 - Onsite supply wells PW-01, PW-02, PW-03 were not sampled during the Third Quarter 2022 event but were sampled during the Fourth Quarter 2022 monitoring event. Fourth Quarter 2022 analytical results for onsite supply wells PW-01, PW-



02 and PW-03 have recently finalized and are therefore included with this Third Quarter 2022 Monitoring Report correspondence.

- In addition to historical analytical summaries provide for monitoring wells (**Table 1**) and potable supply wells (**Table 2**), this correspondence provides a separate analytical summary of all detections among monitoring wells and potable supply wells sampled during Third Quarter 2022 as **Table 2-A**.
- Long-term Mann-Kendall (M-K) statistical trend analyses (up to 40 events) have been completed for 42 historical monitoring wells and six potable supply wells, for both benzene and methyl tert-butyl ether (MTBE), and are included with this correspondence as **Appendix E** (benzene) and **Appendix F** (MTBE).
 - For the M-K analyses, non-detect determinations used the method detection limit value. For estimated, J-qualified values, the estimated value was used in the analysis.

In summary, all long-term Mann Kendall analyses completed and included as **Appendix E** and **Appendix F** demonstrated either a decreasing trend, a stable trend or a no-trend determination. There were no increasing benzene or MTBE trends identified among any of the long-term M-K analyses completed for the monitoring and potable wells comprising the current well network.

As noted in the Sensitive Receptor Survey submitted to the MDE on October 20, 2022, GES intends to submit a separate report titled **Groundwater Quality Evaluation** that would summarize historical monitoring and potable supply well analytical data in the framework of a hydrologic conceptual model to support future recommendations for the case. This Groundwater Quality Evaluation report will be submitted by the end of the Fourth Quarter 2022 or early in First Quarter 2023.

If you have any questions or would like additional information, please contact the undersigned at 800-220-3606, extension 3700 or 3726, respectively, or Herb Meade at 410-261-5450.

Sincerely,

A handwritten signature in black ink, appearing to read 'Amelia Ryan'.

Amelia Ryan, PE
Project Engineer

A handwritten signature in black ink, appearing to read 'Pete Reichardt'.

Pete Reichardt
Senior Project Manager

Attachments

- c: Ellen Jackson – MDE (3 additional hard copies & CD)
- Kevin Koepenick – Baltimore County DEPS (CD)
- Herb Meade – Carroll Independent Fuel (e-copy)
- Jerry Phillips – 19200 Middletown Road (CD)
- Gail Fissel – 1612 Rayville Road (CD)
- File – GES-MD (PSID #953251)



MDE Contact: Ms. Ellen Jackson, Maryland Department of the Environment

Consultant Contact: Mr. Peter Reichardt, Groundwater & Environmental Services, Inc. (GES), Odenton, MD

Carroll Independent Fuel Contact: Mr. Herb Meade, Carroll Independent Fuel Company (CIFC)

SITE DESCRIPTION

Site Use: High's Store #141 (formerly Wally's) is an active service station that currently operates three double-walled steel underground storage tanks (USTs), one 12,000-gallon gasoline, one 10,000-gallon diesel, and one 8,000-gallon gasoline, and three 2,000-gallon heating oil aboveground storage tanks (ASTs).

Surrounding Area: Commercial and residential properties.

Sensitive Receptors: Potable Wells – The Site is served by three (3) onsite supply wells.

Surrounding commercial and residential properties are all served by potable wells.

Basements/Underground Receptors – The former Bait and Tackle Shop located adjacent to the Site contains a basement.

Surface Water/Wetlands – A tributary of Frog Hollow Creek is located approximately 1,500 feet to the west. The Pretty Boy Reservoir is located 1.14 miles to the southwest.

Hospitals/Childcare/Schools – None

Date of Most Recent Regulatory Correspondence: November 15, 2022, - GES is granted extension for submission of Third Quarter 2022 Monitoring Report by November 29, 2022.

Recent regulatory correspondence is documented in **Appendix A – Historical Activities Summary**.

MONITORING ACTIVITIES

Monitoring Well Sampling

Frequency: Quarterly. Monitoring well sampling will remain on a quarterly basis until written approval of sampling plan changes is received per the the MDE correspondence *Second Quarter Monitoring Report - Request to Modify Groundwater Monitoring Response* dated December 12, 2017.

Laboratory Analyses: Full Suite VOCs, including oxygenates and naphthalene, via EPA Method 8260 and TPH-GRO and TPH-DRO via EPA Method 8015. Analytical data for monitoring wells is summarized in **Table 1**.



MONITORING ACTIVITIES (cont.)

Monitoring Well Gauging

Frequency: Routine gauging of all monitoring and former recovery wells is conducted quarterly.

Residential & Commercial Potable Well Sampling

Location:

1608 Rayville Road (formerly RW-4)
1612 Rayville Road
19200 Middletown Road (PW01, PW02, and PW03)

Sampling Frequency:

Quarterly
Quarterly
Semi-annually

Laboratory Analyses: Target VOCs List, including oxygenates and naphthalene, via EPA Method 524.2. Analytical data for potable wells is summarized in **Table 2**.

Note: 1614, 1616, 1620, 1624, and 1717 Rayville Road; and 19119, 19124, 19201, and 19222 Middletown Road were removed from the current monitoring program with MDE approval granted June 4, 2019.

Residential Potable Well POET System Sampling

Location:

1606 Rayville Road:

Well Number(s):

Unknown

Sampling Frequency:

Quarterly

Laboratory Analyses: Target VOCs List, including oxygenates and naphthalene, via EPA Method 524.2. Analytical data for POET systems is summarized in **Table 3**.

Note: CIFC was released from POET maintenance at 1612 Rayville Road by the MDE on June 4, 2019. The influent water at this location is now sampled quarterly.

Full laboratory reports and chains-of-custody for all sample locations are included as **Appendix B – Laboratory Reports and Chain of Custody Documentation** (on data disk)

FIELD ACTIVITIES

Quarterly Groundwater Sampling Data Summary

Groundwater Sampling Dates: August 23-26 and 29, 2022

of Monitoring Wells in study area / # Sampled: 40/36 (August 2022 event)

Apparent Groundwater Flow Direction:

South and west based on groundwater elevations observed in monitoring wells; actual transport flows in bedrock in preferential pathways predominantly along bedrock strike NE to SW.

FIELD ACTIVITIES (cont.)

Maximum Concentrations:

Benzene:	8.2 µg/L (MW-5) on August 29, 2022
MTBE:	260 µg/L (MW-8B) on August 29, 2022
TPH-GRO:	4,100 µg/L (MW-5) on August 29, 2022
TPH-DRO:	9,000 µg/L (MW-5) on August 29, 2022

Residential Potable Well & POET System Sampling Summary:

- Quarterly samples were collected from the influent, mid-fluent and effluent locations of the POET system at 1606 Rayville Road on August 25, 2022. Influent-only samples were collected at 1608 and 1612 Rayville Road on August 29 and 25, 2022. Samples were analyzed for a target VOCs list via EPA Method 524.2.

Report Notes:

- A comprehensive summary of monitoring well and potable supply well analytical results are attached as **Table 2-A**.
- Monitoring well construction details are summarized in **Table 4**.
- Monitoring well sampling frequency and methodology for each individual well is summarized in **Table 5**.
- Monitoring well sampling data collection forms are attached in **Appendix C**.
- Groundwater concentration hydrographs for each individual monitoring and potable well are attached in **Appendix D**.
- Mann Kendall Trend Analyses for Benzene and MTBE are attached as **Appendix E** and **Appendix F**, respectively.

FUTURE ACTIVITIES

Fourth Quarter 2022:

- GES to resume reduced quarterly sampling for monitoring wells and potable well locations during the Fourth Quarter 2022 monitoring period, unless otherwise directed by the MDE.
- GES to submit Groundwater Quality Evaluation report for the case (late Fourth Quarter 2022 to early First Quarter 2023).
- Proper disposal and treatment of groundwater waste generated from groundwater sampling, as necessary.

ATTACHMENTS

LIST OF FIGURES

Figure 1	Local Area Map
Figure 2	Site Map
Figure 3	Potable Well Location Map
Figure 4	Groundwater Contour Map – Shallow A Series Wells, August 22, 2022
Figure 5	Groundwater Contour Map – Deep B Series Wells, August 22, 2022
Figure 6	Monitoring Well Concentration Map, Third Quarter 2022
Figure 7	Potable Well Concentration Map, Third Quarter 2022

LIST OF TABLES

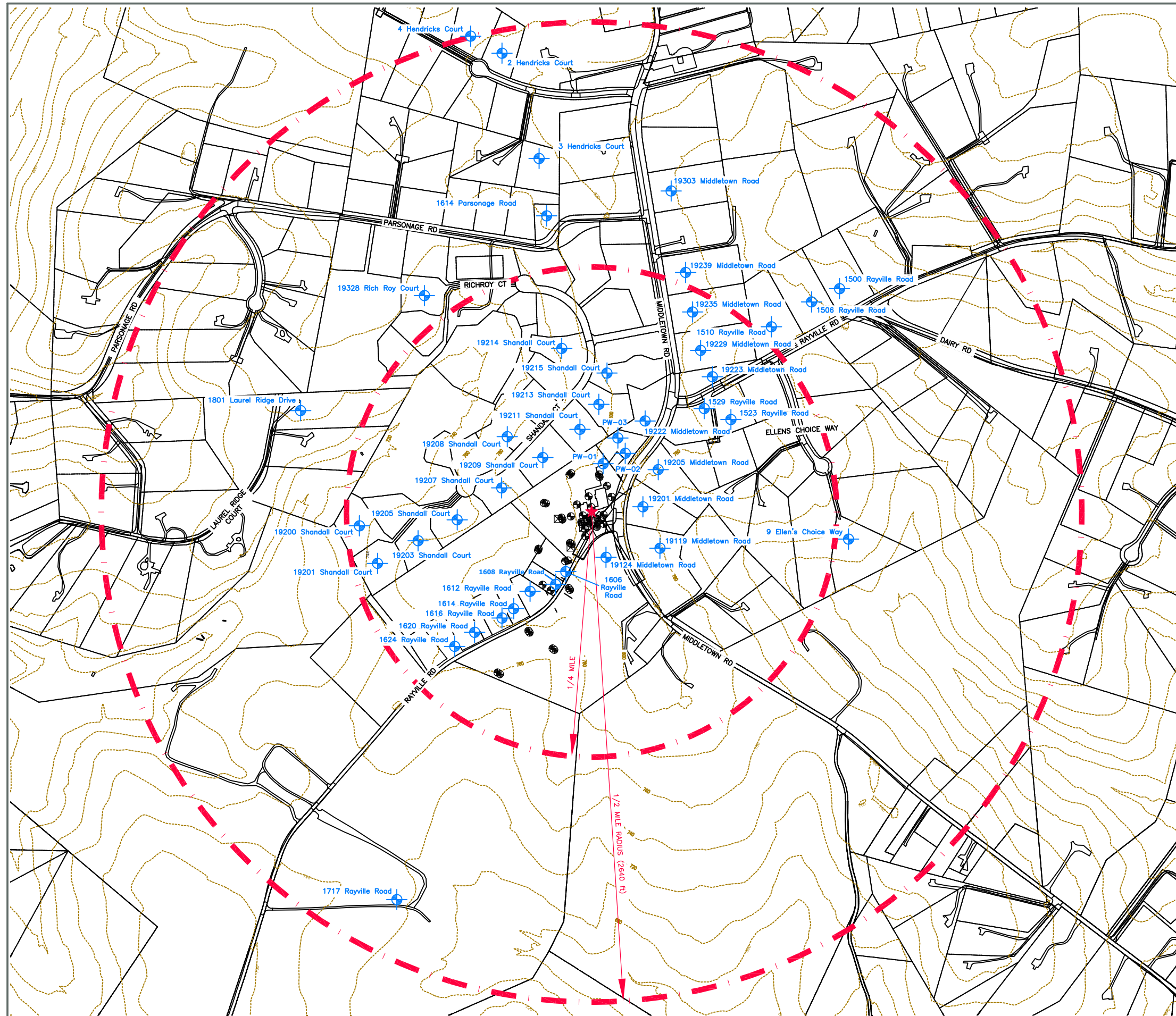
Table 1	Historical Groundwater Data Summary
Table 2	Historical Potable Well Data Summary
Table 2-A	GW and Potable Data Summary – 3Q 2022
Table 3	Historical POET System Data Summary
Table 4	Monitoring Well Construction Details
Table 5	Monitoring Well Sampling Method Summary

APPENDICES

Appendix A	Historical Activity Summary
Appendix B	Laboratory Reports and Chain of Custody Documentation (See Files on CD)
Appendix C	Monitoring Well Sampling Data Sheets
Appendix D	Concentration Hydrographs
Appendix E	Mann-Kendall Trend Analyses - Benzene
Appendix F	Mann-Kendall Trend Analyses - MTBE

FIGURES

M:\Graphics\0400-Crofton\Misc\Carroll Fuels\Carroll Fuels Parkton Wallys\Carroll Fuels Parkton Wallys LAM.dwg, 7/31/2015 12:36:19 PM, wwesterlund



LEGEND

- SITE LOCATION
- PROPERTY BOUNDARY
- TOPOGRAPHIC CONTOUR (20 ft)
- SITE RADIUS
- TANK FIELD WELL
- MONITORING WELL
- RECOVERY WELL
- SOIL VAPOR EXTRACTION WELL
- APPROXIMATE POTABLE WELL LOCATION

SOURCE: BALTIMORE COUNTY GIS DATA, BASED ON MAP PROVIDED BY ENVIRONMENTAL ALLIANCE, INC. TITLED POTABLE WELL LOCATION MAP, DATED 8/19/2010.

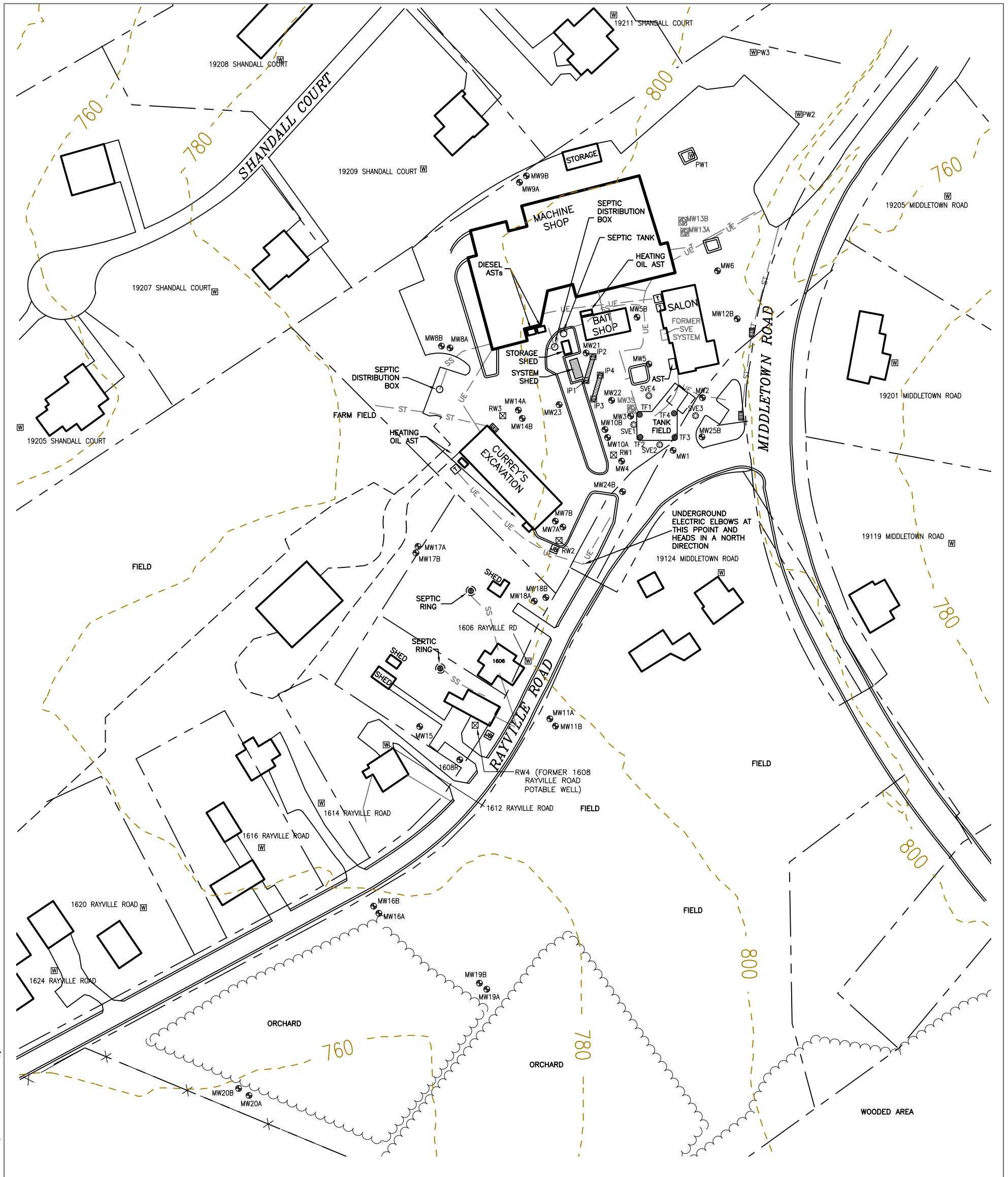
Local Area Map

Wally's Citgo Station
19200 Middletown Road
Parkton, Maryland

Drawn
WAW (NJ)
Designed
SA
Approved
GR

Date
7-31-15
Figure
1





LEGEND

- PROPERTY BOUNDARY
- CATCH BASIN
- TRANSFORMER
- POTABLE WELL
- TANK FIELD WELL
- MONITORING WELL
- RECOVERY WELL
- SOIL VAPOR EXTRACTION WELL
- ABANDONED WELL
- INJECTION POINT
- SS --- UNDERGROUND SANITARY SEWER LINE
- ST --- UNDERGROUND STORM SEWER LINE
- T --- UNDERGROUND TELEPHONE LINE
- UE --- UNDERGROUND ELECTRIC LINE
- OHU --- OVERHEAD UTILITY LINE
- SYSTEM SHED
- INFILTRATION GALLERY
- REMEDIAL SYSTEM JUNCTION BOX

Site Map

Wally's Citgo Station
19200 Middletown Road
Parkton, Maryland

Drawn
J.D.B.
Designed
S.A.
Approved
P.R.

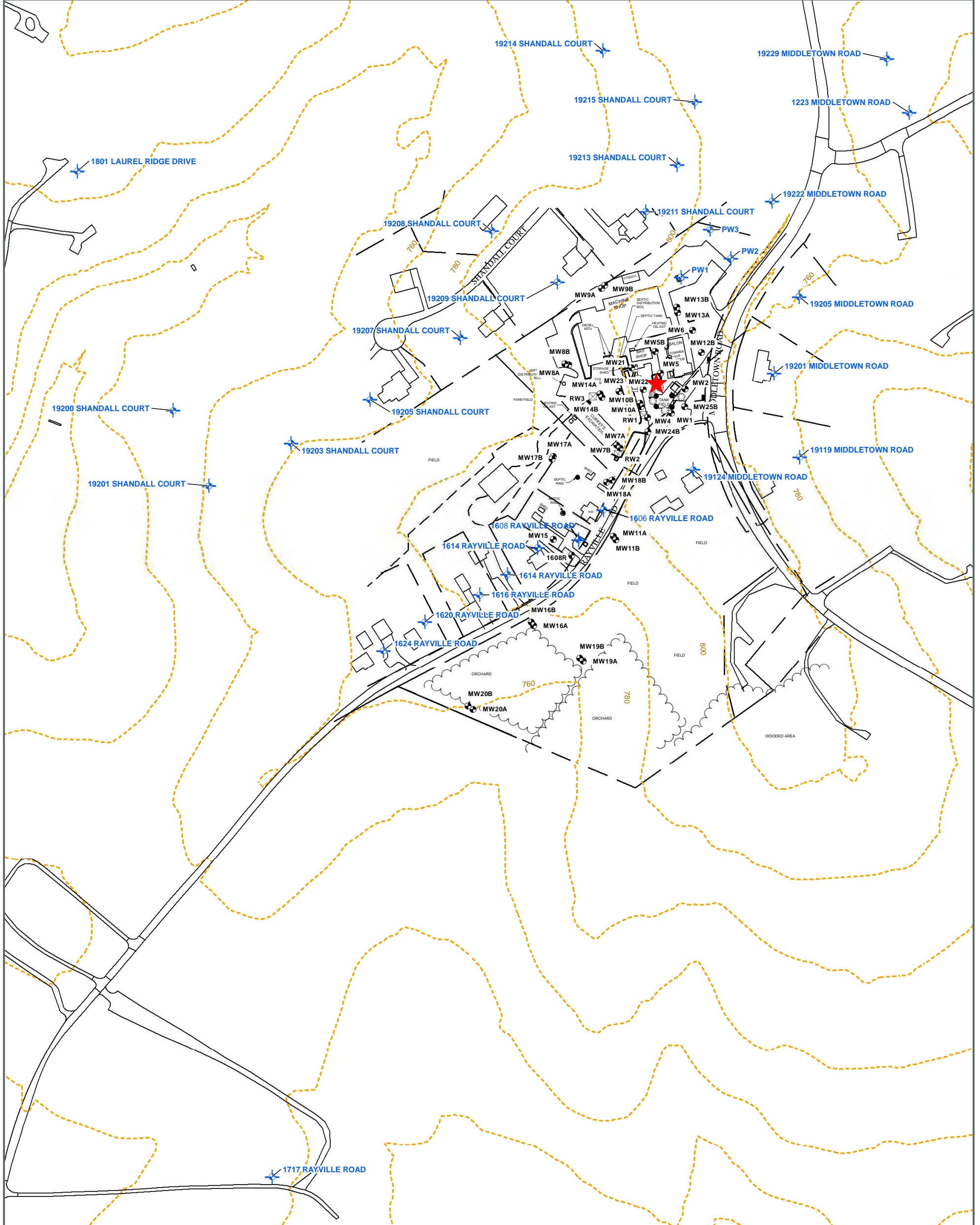
Date
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2



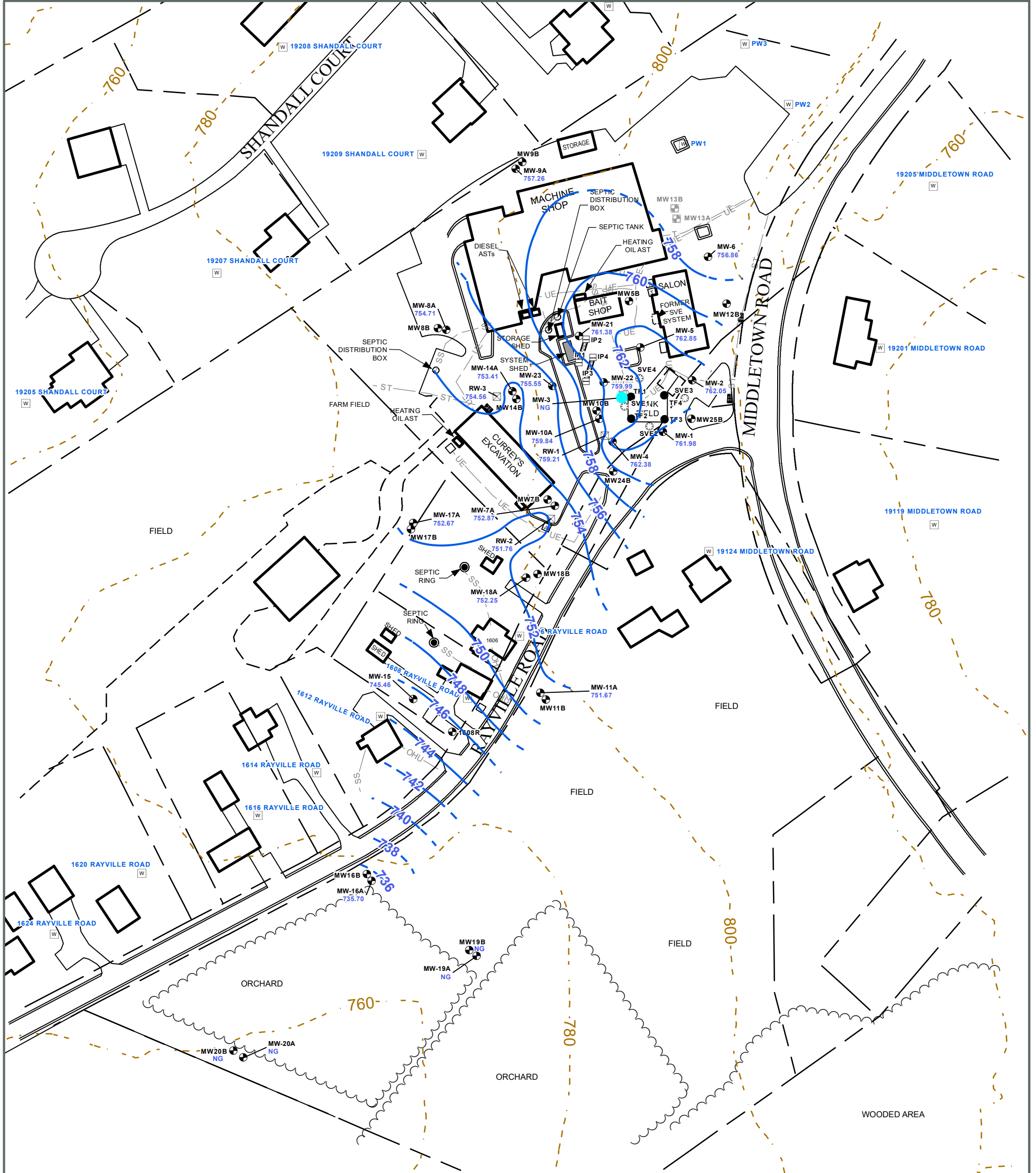
Scale In Feet



Groundwater & Environmental Services, Inc.



<p>LEGEND</p> <ul style="list-style-type: none"> — PROPERTY BOUNDARY - - - TOPOGRAPHIC CONTOURS (20 ft) ✚ POTABLE WELL ● TANK FIELD WELL ⊙ MONITORING WELL ⊠ RECOVERY WELL ⊗ SOIL VAPOR EXTRACTION WELL ⊞ ABANDONED MONITORING WELL ⊟ INJECTION POINT ★ SITE 		<p>Potable Well Location Map</p> <p>Wally's Citgo Station 19200 Middletown Road Parkton, Maryland</p>	
<p>Drawn GKS</p> <p>Designed DMC</p> <p>Approved -</p>		<p>Date 4-30-18</p> <p>Figure 3</p>	
		<p>Scale In Feet (Approximate)</p> <p>0 240</p>	
<p>SOURCE: BALTIMORE COUNTY GIS DATA, BASED ON MAP PROVIDED BY ENVIRONMENTAL ALLIANCE, INC. TITLED POTABLE WELL LOCATION MAP, DATED 8/19/2010.</p>			



LEGEND

- PROPERTY BOUNDARY
- CATCH BASIN
- TRANSFORMER
- POTABLE WELL
- TANK FIELD WELL
- MONITORING WELL
- RECOVERY WELL
- SOIL VAPOR EXTRACTION WELL
- ABANDONED MONITORING WELL
- INJECTION POINT
- SS- UNDERGROUND SANITARY SEWER LINE
- ST- UNDERGROUND STORM SEWER LINE
- T- UNDERGROUND TELEPHONE LINE
- UE- UNDERGROUND ELECTRIC LINE
- OHU- OVERHEAD UTILITY LINE
- SYSTEM SHED
- INFILTRATION GALLERY

- GROUNDWATER CONTOUR INTERVAL (feet)
- INFERRED CONTOUR INTERVAL (feet)
- 735.70** GROUNDWATER ELEVATION
- NG** NOT GAUGED

Monitoring Wells Contoured:

MW-1, MW-2, MW-4, MW-5, MW-6, MW-7A, MW-8A, MW-9A, MW-10A, MW-11A, MW-14A, MW-15, MW-16A, MW-17A, MW-18A, MW-21, MW-22, MW-23, RW-1, RW-2 AND RW-3

Note: MW-3, 19A, and 20A were inaccessible during the August 22 sampling event.

**Groundwater Contour Map
Shallow A Series Wells - August 22, 2022**

**Wally's Citgo Station
19200 Middletown Road
Parkton, Maryland**

Drawn
JDB
Designed
DMC
Approved
P.R.

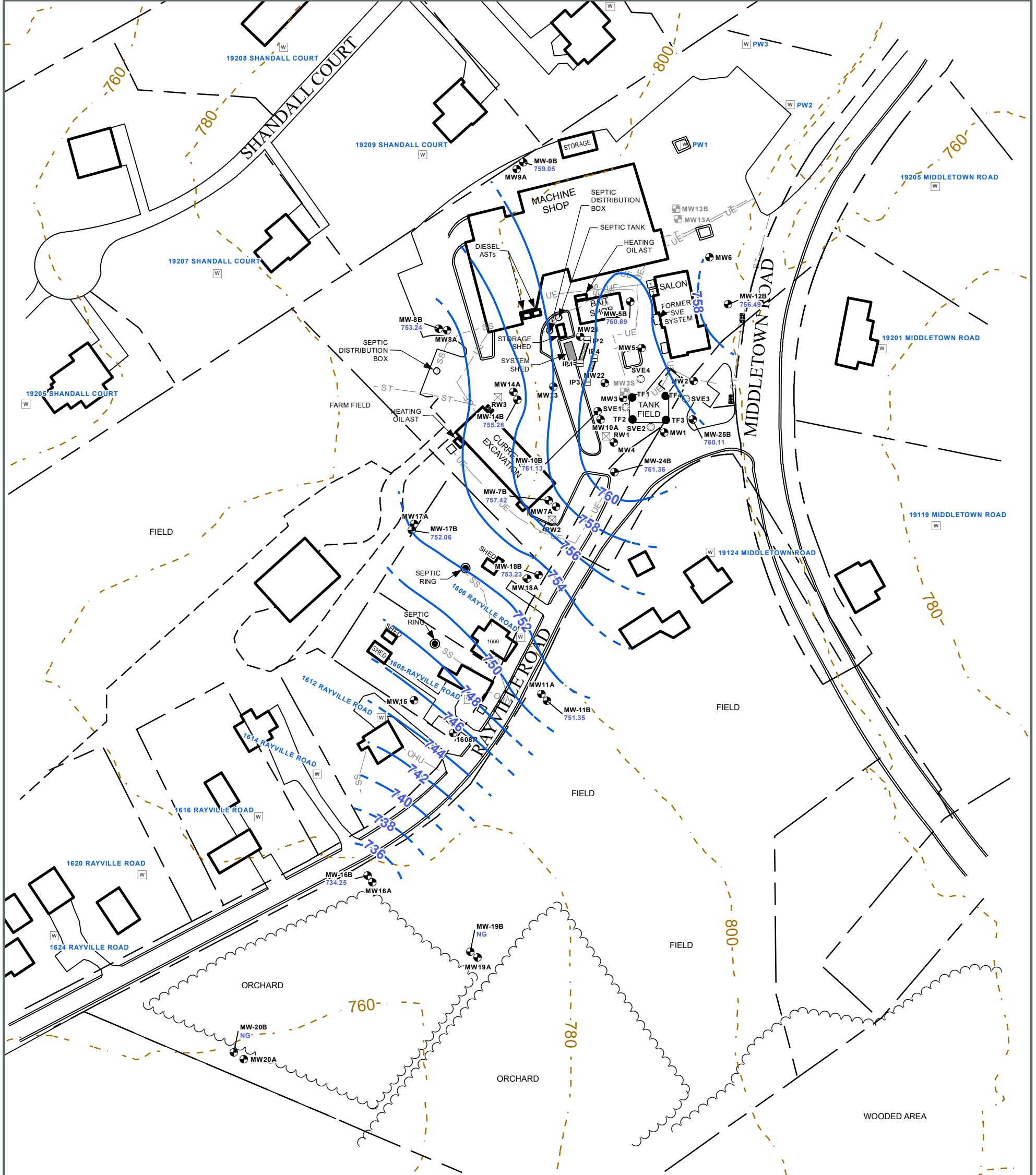
Date
9/29/22
Figure
4



Scale In Feet (Approximate)
0 120



Groundwater & Environmental Services, Inc.



LEGEND

- PROPERTY BOUNDARY
- CATCH BASIN
- TRANSFORMER
- POTABLE WELL
- TANK FIELD WELL
- MONITORING WELL
- RECOVERY WELL
- SOIL VAPOR EXTRACTION WELL
- ABANDONED MONITORING WELL
- INJECTION POINT
- SS- UNDERGROUND SANITARY SEWER LINE
- ST- UNDERGROUND STORM SEWER LINE
- T- UNDERGROUND TELEPHONE LINE
- UE- UNDERGROUND ELECTRIC LINE
- OHU- OVERHEAD UTILITY LINE
- SYSTEM SHED
- INFILTRATION GALLERY

- GROUNDWATER CONTOUR INTERVAL (feet)
- INFERRED CONTOUR INTERVAL (feet)
- GROUNDWATER ELEVATION
- NOT GAUGED

Monitoring Wells Contoured:

- MW-5B, MW-7B, MW-8B, MW-9B,
- MW-10B, MW-11B, MW-12B,
- MW-14B, MW-16B, MW-17B,
- MW-18B, MW-19B, MW-20B,
- MW-24B and MW-25B

Note: MW-19B & 20B were inaccessible during the August 22 sampling event.

**Groundwater Contour Map
Deep B Series Wells - August 22, 2022**

**Wally's Citgo Station
19200 Middletown Road
Parkton, Maryland**

Drawn
JDB
Designed
DMC
Approved
P.R.

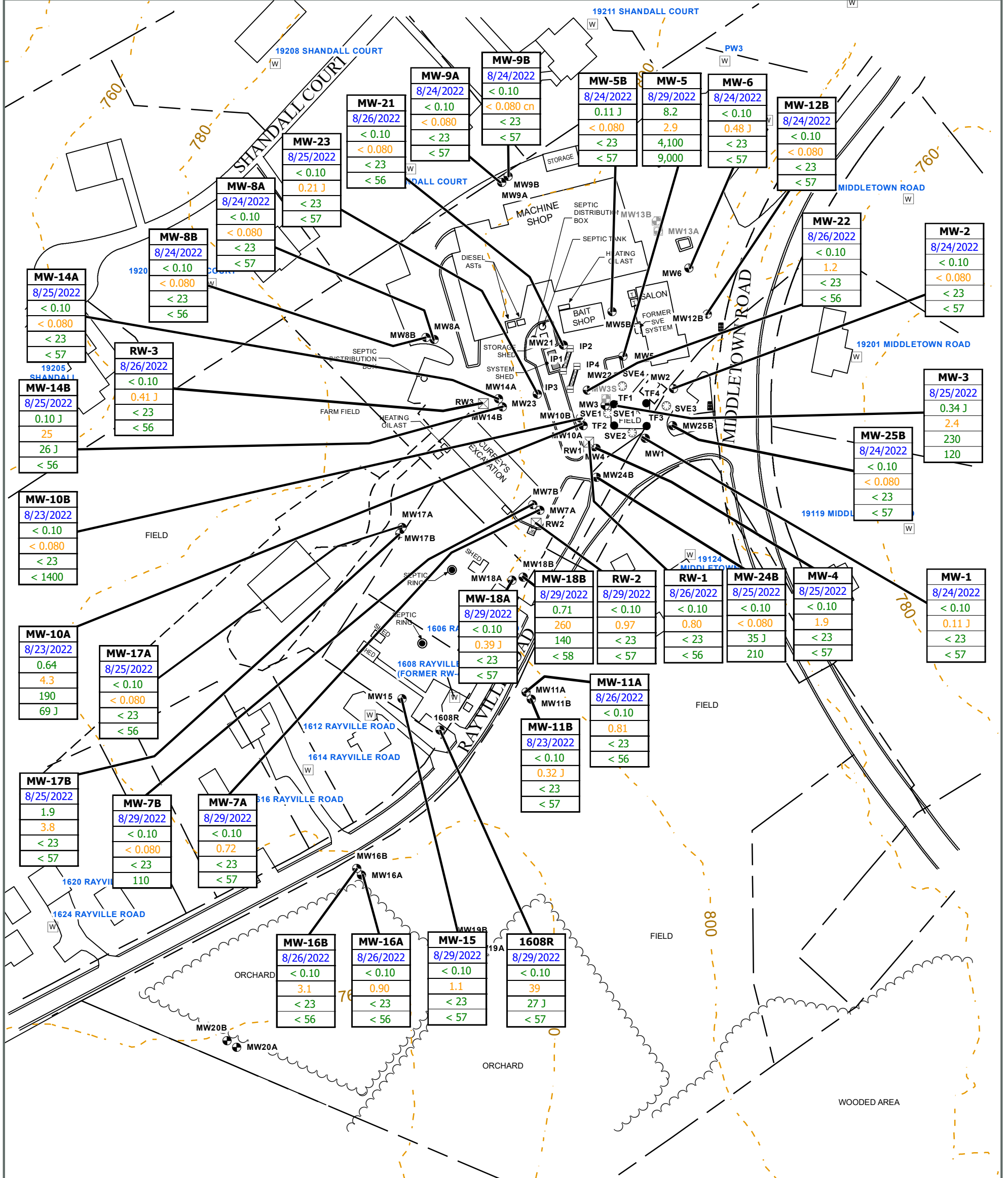


Date
9/29/22
Figure
5

Scale In Feet (Approximate)



Groundwater & Environmental Services, Inc.



LEGEND

- PROPERTY BOUNDARY
- TOPOGRAPHIC CONTOURS (20 ft)
- CATCH BASIN
- TRANSFORMER
- REMEDIAL SYSTEM JUNCTION BOX
- POTABLE WELL
- TANK FIELD WELL
- MONITORING WELL
- RECOVERY WELL
- SOIL VAPOR EXTRACTION WELL
- ABANDONED MONITORING WELL
- INJECTION POINT
- SYSTEM SHED
- INFILTRATION GALLERY

Analyte abbreviation definitions:
 MTBE - Methyl tert-butyl ether
 TPH-GRO - Total Petroleum Hydrocarbons - Gas Range Organics
 TPH-DRO - Total Petroleum Hydrocarbons - Diesel Range Organics

Well ID
Date
Benzene (ug/L)
MTBE (ug/L)
TPH-GRO (ug/L)
TPH-DRO (ug/L)

Notes:
 ug/L - micrograms per liter

J - Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.

**Monitoring Well Concentration Map
 Third Quarter 2022**

**Wally's Citgo Station
 19200 Middletown Road
 Parkton, Maryland**

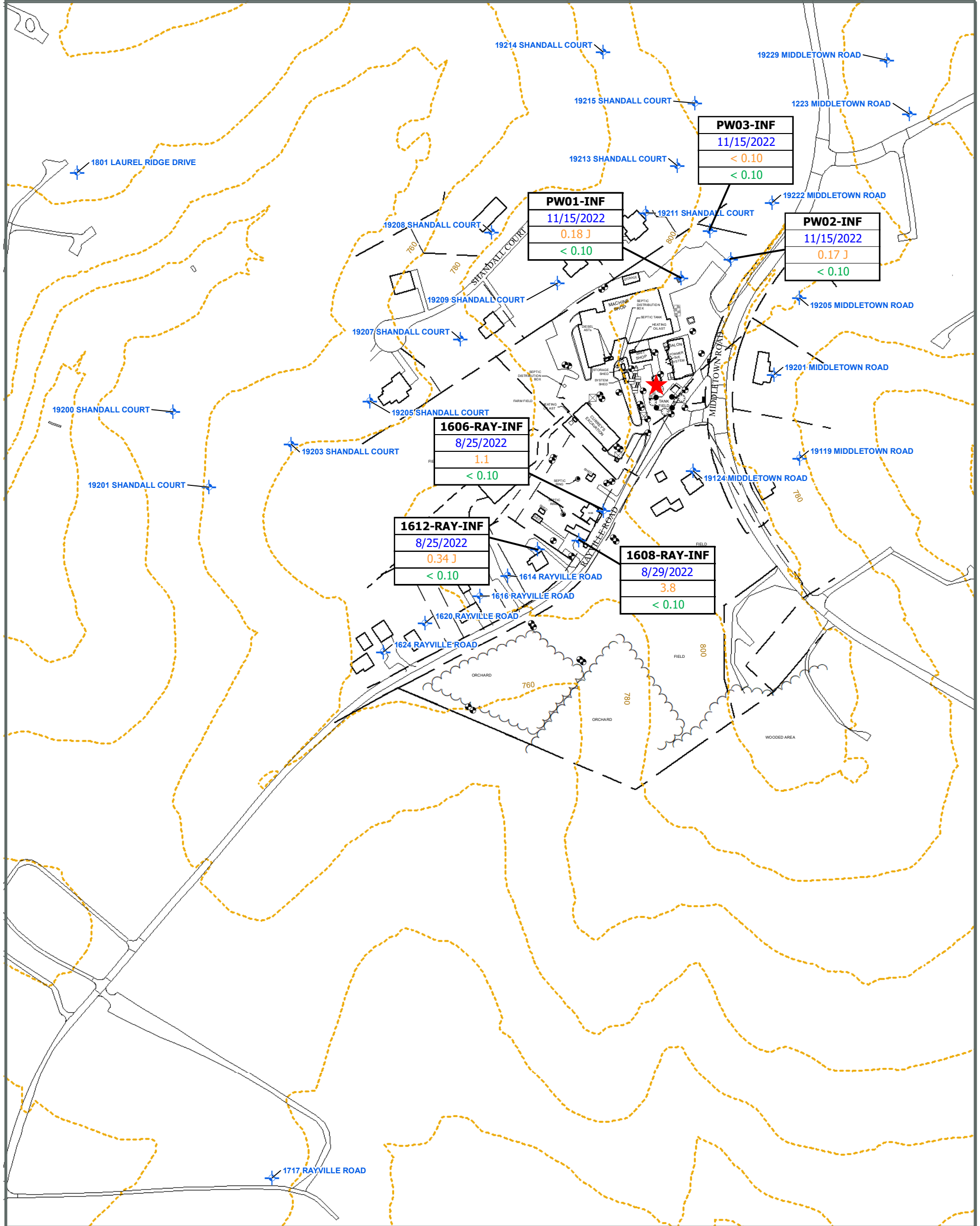
Drawn
JDB
 Designed
DMC
 Approved
P.R.

Date
9/29/22
 Figure
6



Scale In Feet (Approximate)
 0 120





LEGEND

- PROPERTY BOUNDARY
- - - TOPOGRAPHIC CONTOURS (20 ft)
- ✈ POTABLE WELL
- TANK FIELD WELL
- ⊙ MONITORING WELL
- ⊠ RECOVERY WELL
- ⊙ SOIL VAPOR EXTRACTION WELL
- ⊠ ABANDONED MONITORING WELL
- ⊠ INJECTION POINT
- ★ SITE

Well ID
Sample Date
MTBE (ug/L)
Benzene (ug/L)

Sample Abbreviations:
 RAY - Rayville Road
 INF - Influent

Notes:
 ug/L - Micrograms per liter
 <# - Result was not detected above the indicated method detection limit
 J - Result is between method detection limit and reporting limit
 MTBE - Methyl tert-butyl ether

SOURCE: BALTIMORE COUNTY GIS DATA, BASED ON MAP PROVIDED BY ENVIRONMENTAL ALLIANCE, INC. TITLED POTABLE WELL LOCATION MAP, DATED 8/19/2010.

Potable Well Concentration Map Third Quarter 2022	
Wally's Citgo Station 19200 Middletown Road Parkton, Maryland	
Drawn JDB Designed DMC Approved P.R.	Date 9/29/22 Figure 7

TABLES

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-1	12/01/2011	-	7.98	-	8.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/06/2011	-	8.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/07/2011	-	7.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/08/2011	-	7.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/09/2011	-	7.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/13/2011	-	7.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/19/2011	-	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/22/2011	-	7.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/28/2011	-	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/03/2012	-	8.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/09/2012	-	7.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/16/2012	-	7.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/24/2012	-	7.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/31/2012	-	7.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/08/2012	-	7.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/15/2012	-	7.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/22/2012	-	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/27/2012	-	7.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/09/2012	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/27/2012	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/06/2012	-	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/16/2012	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/15/2012	-	6.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/05/2012	-	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/19/2012	-	7.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	07/12/2012	-	8.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	07/25/2012	-	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	08/20/2012	-	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	09/04/2012	-	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	10/25/2012	-	7.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	11/05/2012	-	7.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/12/2012	-	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/22/2013	-	7.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/11/2013	-	7.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/07/2013	-	7.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-1	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/22/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/19/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	07/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-1	04/18/2013	-	7.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/13/2013	-	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/03/2013	-	7.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	07/26/2013	-	7.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	08/05/2013	-	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	09/05/2013	-	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	10/08/2013	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	11/18/2013	-	7.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/20/2013	-	7.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/23/2014	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/10/2014	-	8.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/11/2014	-	8.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/21/2014	-	6.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/04/2014	-	7.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/21/2014	-	7.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/06/2014	-	7.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/22/2014	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/09/2014	-	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/27/2014	-	7.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	07/10/2014	-	8.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	11/03/2014	-	8.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/02/2015	-	7.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/10/2015	-	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/16/2015	-	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	02/27/2015	-	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/19/2015	-	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/08/2015	-	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/20/2015	-	7.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/01/2015	-	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/18/2015	-	7.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/04/2015	-	7.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	07/10/2015	-	7.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	08/03/2015	-	6.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	09/01/2015	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	10/19/2015	-	7.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-1	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/27/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/16/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	02/27/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/20/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/04/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	07/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	08/03/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	09/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	10/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-1	11/02/2015	-	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	12/08/2015	-	6.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/04/2016	-	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	03/04/2016	-	6.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	04/04/2016	-	7.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	05/02/2016	-	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	06/02/2016	-	6.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	07/06/2016	-	6.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	08/01/2016	-	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	09/08/2016	-	7.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	10/06/2016	-	7.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	11/07/2016	-	8.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-1	01/23/2017	-	8.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/01/2011	-	8.80	-	9.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/06/2011	-	8.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/07/2011	-	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/08/2011	-	8.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/09/2011	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/13/2011	-	8.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/19/2011	-	8.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/22/2011	-	8.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/28/2011	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/03/2012	-	8.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/09/2012	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/16/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/24/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/31/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/08/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/15/2012	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/22/2012	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/27/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/09/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/27/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/06/2012	-	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/16/2012	-	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-1	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	12/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	03/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	04/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	06/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	07/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	09/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	10/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-1	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/22/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-2	05/15/2012	-	7.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/05/2012	-	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/19/2012	-	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	07/12/2012	-	8.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	07/25/2012	-	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	08/20/2012	-	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	09/04/2012	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	10/25/2012	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	11/05/2012	-	8.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/12/2012	-	8.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/22/2013	-	8.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/11/2013	-	8.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/07/2013	-	8.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/18/2013	-	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	05/13/2013	-	8.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/03/2013	-	8.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	07/26/2013	-	8.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	08/05/2013	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	09/05/2013	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	10/08/2013	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	11/18/2013	-	8.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/20/2013	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/10/2014	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/24/2014	-	8.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/26/2014	-	8.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/11/2014	-	8.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/21/2014	-	7.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/04/2014	-	8.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/21/2014	-	8.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	05/06/2014	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	05/22/2014	-	8.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/09/2014	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/23/2014	-	8.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	07/10/2014	-	8.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	11/03/2014	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-2	05/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/19/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	07/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/26/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-2	02/02/2015	-	8.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/10/2015	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/16/2015	-	8.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/27/2015	-	8.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/19/2015	-	8.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/08/2015	-	8.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/20/2015	-	8.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	05/01/2015	-	8.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	05/18/2015	-	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/04/2015	-	8.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	07/10/2015	-	8.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	08/03/2015	-	8.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	09/01/2015	-	8.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	10/19/2015	-	8.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	11/02/2015	-	8.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	12/08/2015	-	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/04/2016	-	8.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	02/08/2016	-	8.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	03/04/2016	-	7.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	04/04/2016	-	8.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	05/02/2016	-	8.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	06/02/2016	-	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	07/06/2016	-	8.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	08/01/2016	-	8.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	09/08/2016	-	8.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	10/06/2016	-	8.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	11/07/2016	-	8.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-2	01/23/2017	-	8.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/01/2011	-	8.15	-	8.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/06/2011	-	8.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/07/2011	-	7.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/08/2011	-	7.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/09/2011	-	8.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/13/2011	-	8.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/19/2011	-	8.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-2	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/16/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/27/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/20/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	05/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/04/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	07/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	08/03/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	09/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	10/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	12/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	03/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	04/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	06/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	07/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	09/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	10/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-2	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-3	12/22/2011	-	8.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/28/2011	-	7.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/03/2012	-	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/09/2012	-	8.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/16/2012	-	8.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/24/2012	-	8.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/31/2012	-	8.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/08/2012	-	8.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/15/2012	-	8.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/22/2012	-	8.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/27/2012	-	7.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	03/09/2012	-	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	03/27/2012	-	7.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/06/2012	-	8.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/16/2012	-	7.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/15/2012	-	7.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/05/2012	-	7.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/19/2012	-	7.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	07/12/2012	-	8.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	07/25/2012	-	7.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	08/20/2012	-	7.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	09/04/2012	-	8.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	10/25/2012	-	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/12/2012	-	7.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/22/2013	-	7.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/11/2013	-	7.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	03/07/2013	-	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/18/2013	-	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/13/2013	-	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/03/2013	-	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	07/26/2013	-	7.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	08/05/2013	-	7.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	09/05/2013	-	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	10/08/2013	-	7.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	11/18/2013	-	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-3	12/22/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	03/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/19/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	07/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-3	12/20/2013	-	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/23/2014	-	7.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/10/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/24/2014	-	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/26/2014	-	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	03/11/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/04/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/21/2014	-	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/06/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/22/2014	-	7.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/09/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/23/2014	-	7.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	07/10/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	11/03/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/02/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/10/2015	-	8.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/16/2015	-	8.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	02/27/2015	-	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	03/19/2015	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/08/2015	-	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/20/2015	-	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/01/2015	-	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/18/2015	-	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/04/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	07/10/2015	-	7.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	08/03/2015	-	7.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	09/01/2015	-	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	10/19/2015	-	7.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	11/02/2015	-	7.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	12/08/2015	-	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/04/2016	-	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	04/04/2016	-	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	05/02/2016	-	7.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	06/02/2016	-	7.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	07/06/2016	-	7.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-3	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/26/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/16/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	02/27/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/20/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/04/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	07/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	08/03/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	09/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	10/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	12/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	04/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	06/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	07/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-3	08/01/2016	-	7.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	09/08/2016	-	7.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	10/06/2016	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	11/07/2016	-	8.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-3	01/23/2017	-	8.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/01/2011	-	DRY	-	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/06/2011	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/07/2011	-	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/08/2011	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/09/2011	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/13/2011	-	DRY	-	7.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/19/2011	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/22/2011	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/28/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/03/2012	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/09/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/16/2012	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/24/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/31/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/08/2012	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/15/2012	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/22/2012	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/27/2012	-	DRY	-	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/09/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/27/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/06/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/16/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	05/15/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/05/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/19/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	07/12/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	07/25/2012	-	DRY	-	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	08/20/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	09/04/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	10/25/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-3	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	09/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	10/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-3	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/22/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	05/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/19/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	07/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-4	11/05/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/12/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/22/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/11/2013	-	DRY	-	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/07/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/18/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	05/13/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/03/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	07/26/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	08/05/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	09/05/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	10/08/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	11/18/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/20/2013	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/23/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/10/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/24/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/26/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/11/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/21/2014	-	DRY	-	7.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/04/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/21/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	05/06/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	05/22/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/09/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/23/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	07/10/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	11/03/2014	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/02/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/10/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/16/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/27/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/19/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/08/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/20/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-4	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/26/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/16/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/27/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/20/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
IP-4	05/01/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	05/18/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/04/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	07/10/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	08/03/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	09/01/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	10/19/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	11/02/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	12/08/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/04/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	03/04/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	04/04/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	06/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	07/06/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	08/01/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	09/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	10/06/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IP-4	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/12/2005	802.09	41.25	760.84	-	3 J	<0.7	<0.8	14	7	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/01/2005	802.09	41.50	760.59	-	3 J	1 J	<0.8	17	13	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/20/2006	802.09	39.02	763.07	-	2 J	<0.7	<0.8	10	3 J	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/12/2006	802.09	41.52	760.57	-	3 J	<0.7	<0.8	11	3 J	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/20/2006	802.09	42.71	759.38	-	3 J	<0.7	<0.8	12	4 J	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/02/2006	802.09	42.04	760.05	61.5	2 J	<0.7	<0.8	6	6	-	<0.8	<0.8	48 J	900	360	-	-	-	-	-	-
MW-1	04/23/2007	802.09	36.33	765.76	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/24/2007	802.09	36.33	765.76	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	220	-	-	-	-	-	-
MW-1	08/08/2007	802.09	42.46	759.63	-	<0.5	<0.7	<0.8	<0.8	0.9 J	-	<0.8	<0.8	<10	110	270	-	-	-	-	-	-
MW-1	11/07/2007	802.09	45.06	757.03	-	1 J	<0.7	<0.8	4 J	22	-	<0.8	0.8 J	26 J	300	12,000	-	-	-	-	-	-
MW-1	02/21/2008	802.09	40.77	761.32	-	<0.5	<0.7	<0.8	1 J	61	-	<0.8	1 J	33 J	120	260	-	-	-	-	-	-
MW-1	05/14/2008	802.09	36.32	765.77	-	<0.5	<0.7	<0.8	<0.8	6	-	<0.8	<0.8	<10	<20	360	-	-	-	-	-	-
MW-1	08/13/2008	802.09	40.88	761.21	-	<0.5	<0.7	<0.8	<0.8	4 J	-	<0.8	<0.8	<10	<20	180	-	-	-	-	-	-
MW-1	11/19/2008	802.09	43.45	758.64	-	<0.5	<0.7	<0.8	<0.8	8	-	<0.8	<0.8	<10	<20	140	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
IP-4	05/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/04/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	07/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	08/03/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	09/01/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	10/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	12/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	03/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	04/04/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	06/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	07/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	09/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	10/06/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IP-4	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	09/12/2005	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/01/2005	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/20/2006	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/12/2006	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	09/20/2006	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/02/2006	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	04/23/2007	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	04/24/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/08/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/07/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/21/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/14/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/13/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/19/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-1	02/10/2009	802.09	41.77	760.32	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-1	05/18/2009	802.09	38.23	763.86	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-1	08/17/2009	802.09	42.11	759.98	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-1	11/23/2009	802.09	38.16	763.93	-	<1	<1	<1	<1	<1	-	<1	<1	<5	61.5	108	-	-	-	-	-
MW-1	02/17/2010	802.09	37.23	764.86	-	<1	<1	<1	<1	<1	-	<1	<1	<5	34.3	104	-	-	-	-	-
MW-1	05/18/2010	802.09	39.19	762.90	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<100	<300	-	-	-	-	-
MW-1	06/03/2010	802.09	40.01	762.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/17/2010	802.09	42.87	759.22	-	<1	<1	<1	<1	10.3	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-1	11/22/2010	802.09	44.01	758.08	-	<1	<1	<1	<1	36.5	-	<1	<1	<5	<100	297	-	-	-	-	-
MW-1	02/14/2011	802.09	44.44	757.65	-	<1	<1	<1	<1	6.95	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-1	04/25/2011	802.09	35.27	766.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/28/2011	802.09	37.29	764.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/24/2011	802.09	36.94	765.15	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-1	08/22/2011	802.09	42.30	759.79	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	162	-	-	-	-	-
MW-1	11/28/2011	802.09	36.10	765.99	61.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/30/2011	802.09	37.02	765.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/01/2011	802.09	37.02	765.07	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<180	<1	<1	<1	<5	<1
MW-1	12/06/2011	802.09	36.81	765.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/07/2011	802.09	39.49	762.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/08/2011	802.09	39.87	762.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/09/2011	802.09	37.80	764.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/13/2011	802.09	36.27	765.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/19/2011	802.09	38.81	763.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/28/2011	802.09	36.60	765.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/03/2012	802.09	39.47	762.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/09/2012	802.09	40.16	761.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/16/2012	802.09	40.85	761.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/17/2012	802.09	40.85	761.24	-	<1	<1	<1	<2	66.1	<1	<1	<1	79.6	<100	<152	<1	<1	<1	<5	<1
MW-1	01/24/2012	802.09	41.13	760.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/31/2012	802.09	41.58	760.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/08/2012	802.09	41.96	760.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/15/2012	802.09	42.12	759.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/22/2012	802.09	42.31	759.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/27/2012	802.09	40.62	761.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/05/2012	802.09	42.70	759.39	61.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-1	02/10/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/17/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/23/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/18/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	06/03/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/22/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/14/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/24/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/22/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/01/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-1	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/17/2012	<1	<1	<1	<1	<1	.	<1	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-1	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-1	03/07/2012	802.09	44.21	757.88	60.95	<1	<1	<1	<2	110	<1	<1	2.08	<5	<100	<156	<1	<1	<1	<5	<1
MW-1	04/06/2012	802.09	41.77	760.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/07/2012	802.09	46.39	755.70	60.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/08/2012	802.09	46.28	755.81	60.97	<2	<2	<2	<4	104	<2	<2	<2	117	<100	246	<2	<2	<2	<10	<2
MW-1	06/05/2012	802.09	46.47	755.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/25/2012	802.09	49.03	753.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/20/2012	802.09	49.25	752.84	61.00	<1	<1	<1	<2	112	<1	<1	2.08	214	463	194	<1	<1	<1	<5	<1
MW-1	09/04/2012	802.09	43.10	758.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/25/2012	802.09	43.57	758.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/05/2012	802.09	38.91	763.18	60.97	<2	<2	<2	<4	224	<2	<2	2.94	184	<100	<153	<2	<2	<2	<10	<2
MW-1	12/12/2012	802.09	40.75	761.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/22/2013	802.09	43.37	758.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/11/2013	802.09	38.45	763.64	60.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/12/2013	802.09	-	-	-	<1	<1	<1	<2	31.1 VH	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-1	03/07/2013	802.09	41.26	760.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/18/2013	802.09	42.24	759.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/13/2013	802.09	43.00	759.09	60.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/14/2013	802.09	-	-	-	<0.5	<0.5	<0.5	<1	54.6	<0.5	<0.5	0.88	95.2	130	<154	-	-	-	-	-
MW-1	06/03/2013	802.09	42.03	760.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/26/2013	802.09	44.18	757.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/05/2013	802.09	44.28	757.81	60.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/06/2013	802.09	-	-	-	<2	<2	<2	<4	69.3	<2	<2	<2	191	134	241	<2.00	<2.00	<2.00	<10.0	<2.00
MW-1	09/05/2013	802.09	44.31	757.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/08/2013	802.09	45.69	756.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/18/2013	802.09	45.06	757.03	60.94	<2	<2	<2	<4	81.4	<2	<2	<2	125	99.30 J	55.4 J	<2.00	<2.00	<2.00	<10.0	<2.00
MW-1	12/20/2013	802.09	43.92	758.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/24/2014	802.09	36.94	765.15	60.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/25/2014	802.09	-	-	-	<1	<1	<1	<2	9.85	<1	<1	<1	<5	29.0 J	<27.7	<1.00	<1.00	<1.00	<5.00	<1.00
MW-1	05/06/2014	802.09	32.59	769.50	61.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/07/2014	802.09	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.2	<1.00	<1.00	<1.00	<5.00	<1.00
MW-1	08/05/2014	802.09	40.58	761.51	60.95	<1	<1	<1	<2	14	<1	<1	<1	<5	<13	31.4 J	<1.00	<1.00	<1.00	<5.00	<1.00
MW-1	11/03/2014	802.09	43.82	758.27	61.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-1	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-1	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-1	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/20/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-1	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-1	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-1	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	.	.	.	.	.	.	.	<0.5	.	.	<0.5
MW-1	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	08/06/2013	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-1	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	11/18/2013	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-1	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	02/25/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-1	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-1	05/07/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-1	08/05/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-1	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-1	11/04/2014	802.09	-	-	-	<1	<1	<1	<2	15.9	<1	<1	<1	<5	24.8 J	65.0 J	<1.00	<1.00	<1.00	<5.00	<1.00
MW-1	02/02/2015	802.09	43.25	758.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/04/2015	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	9.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	05/18/2015	802.09	39.91	762.18	60.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/19/2015	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	23	<0.1	<0.1	0.2 J	9.0 J	30 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	08/10/2015	802.09	40.53	761.56	60.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/11/2015	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	18	<0.1	<0.1	0.2 J	15	29 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	11/02/2015	802.09	40.84	761.25	60.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/03/2015	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	14	<0.1	<0.1	0.2 J	12	30 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	02/08/2016	802.09	36.37	765.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/11/2016	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	5.3	<0.1	<0.1	<0.1	5.8 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	05/02/2016	802.09	38.12	763.97	60.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/05/2016	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	7.4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	08/01/2016	802.09	40.75	761.34	60.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/02/2016	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	5.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	11/07/2016	802.09	44.18	757.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/09/2016	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	5.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	01/23/2017	802.09	45.63	756.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/25/2017	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	05/03/2017	802.09	41.55	760.54	61.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/05/2017	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	07/31/2017	802.09	42.32	759.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/01/2017	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	11/06/2017	802.09	45.49	756.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/07/2017	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	5.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	02/12/2018	802.09	46.54	755.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/14/2018	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	6.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	06/11/2018	802.09	36.92	765.17	61.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/12/2018	802.09	-	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-1	08/20/2018	802.09	35.45	766.64	61.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/21/2018	802.09	-	-	-	<0.05	<0.05	<0.05	<0.08	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-1	11/04/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-1	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-1	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-1	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<1.0	<0.1	
MW-1	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<1.0	<0.1	
MW-1	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/05/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-1	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-1	11/07/2018	802.09	36.97	765.12	-	<0.05	<0.05	<0.05	<0.08	0.1 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-1	02/04/2019	802.09	35.17	766.92	-	<0.05	<0.05	<0.05	<0.08	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-1	05/06/2019	802.09	38.41	763.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/08/2019	802.09	38.48	763.61	-	<0.05	0.3 J	<0.05	<0.08	0.1 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-1	08/26/2019	802.09	40.55	761.54	-	<0.05	<0.05	<0.05	<0.1	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-1	11/05/2019	802.09	41.52	760.57	-	<0.05	<0.07	<0.06	<0.2	0.2 J	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-1	02/03/2020	802.09	39.57	762.52	-	<0.05	<0.07	<0.06	<0.2	0.2 J	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-1	04/27/2020	802.09	38.27	763.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/29/2020	802.09	38.42	763.67	-	<0.05	<0.07	<0.06	<0.2	0.06 J	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06
MW-1	05/27/2020	802.09	37.90	764.19	-	<0.05	<0.07	<0.06	<0.2	0.05 J	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06
MW-1	07/27/2020	802.09	41.26	760.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/28/2020	802.09	41.30	760.79	-	<0.05	<0.07	<0.06	<0.15	0.17 J	<0.05	<0.05	<0.20	<1.1	<23	<59	<0.07	<0.10	<0.06	<0.1	<0.06
MW-1	11/03/2020	802.09	43.98	758.11	-	<0.050	<0.070	<0.060	<0.15	0.22 J	<0.050	<0.050	<0.20	<1.1	<23	<60	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	01/29/2021	802.09	40.97	761.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/03/2021	802.09	40.87	761.22	-	<0.050	<0.070	<0.060	<0.15	0.5	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	05/11/2021	802.09	39.72	762.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/13/2021	802.09	40.12	761.97	-	<0.050	<0.070	<0.060	<0.15	0.084 J	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	08/09/2021	802.09	43.05	759.04	-	<0.050	<0.070	<0.060	<0.15	0.14 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	11/09/2021	802.09	43.74	758.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/10/2021	802.09	43.76	758.33	-	<0.050	<0.070	<0.060	<0.15	0.14 J	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	02/22/2022	802.09	44.81	757.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/23/2022	802.09	44.81	757.28	-	<0.050	<0.070	<0.060	<0.15	0.17 J	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	05/10/2022	802.09	40.32	761.77	-	<0.050	<0.070	<0.060	<0.15	0.19 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-1	08/22/2022	802.09	40.11	761.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/24/2022	802.09	42.66	759.43	-	<0.10	<0.080	<0.080	<0.070	0.11 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-2	09/12/2005	801.83	42.66	759.17	-	4 J	<0.7	<0.8	29	7	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/01/2005	801.83	40.62	761.21	-	3 J	<0.7	<0.8	26	5 J	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/20/2006	801.83	38.97	762.86	-	1 J	<0.7	<0.8	10	3 J	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/12/2006	801.83	40.68	761.15	-	1 J	<0.7	<0.8	5	2 J	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/20/2006	801.83	41.63	760.20	-	1 J	<0.7	<0.8	6	3 J	-	<0.8	<0.8	41 J	800	240	-	-	-	-	-
MW-2	11/02/2006	801.83	40.82	761.01	-	0.9 J	<0.7	<0.8	4 J	2 J	-	<0.8	<0.8	26 J	580	290	-	-	-	-	-
MW-2	04/24/2007	801.83	36.45	765.38	-	<0.5	<0.7	<0.8	<0.8	0.7 J	-	<0.8	<0.8	17 J	36 J	1,700	-	-	-	-	-
MW-2	08/08/2007	801.83	41.35	760.48	-	<0.5	<0.7	<0.8	<0.8	1 J	-	<0.8	<0.8	<10	120	<290	-	-	-	-	-
MW-2	11/07/2007	801.83	43.38	758.45	-	<0.5	<0.7	<0.8	2 J	2 J	-	<0.8	<0.8	11 J	130	<290	-	-	-	-	-
MW-2	02/21/2008	801.83	40.77	761.06	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	190	-	-	-	-	-
MW-2	05/14/2008	801.83	36.95	764.88	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	370	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-1	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-1	02/04/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-1	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/08/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-1	08/26/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
MW-1	11/05/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-1	02/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-1	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/29/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	0.2 J
MW-1	05/27/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-1	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/28/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-1	11/03/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-1	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/03/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	0.63	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	8.9	<2.0	0.22 J	-
MW-1	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/13/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-1	08/09/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-1	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-1	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/23/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-1	05/10/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-1	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	0.14 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	0.25 J	<2.0	<0.080	
MW-2	09/12/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/01/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/12/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/20/2006	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/02/2006	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/24/2007	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/08/2007	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/07/2007	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/21/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/14/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-2	08/13/2008	801.83	39.89	761.94	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	190	-	-	-	-	-
MW-2	11/19/2008	801.83	42.13	759.70	-	<0.5	<0.7	<0.8	<0.8	0.6 J	-	<0.8	<0.8	<10	<20	89 J	-	-	-	-	-
MW-2	02/10/2009	801.83	40.23	761.60	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-2	05/18/2009	801.83	38.34	763.49	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-2	08/17/2009	801.83	41.06	760.77	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-2	11/23/2009	801.83	37.90	763.93	-	<1	<1	<1	<1	<1	-	<1	<1	<5	35.2	166	-	-	-	-	-
MW-2	02/17/2010	801.83	37.14	764.69	-	<1	<1	<1	<1	<1	-	<1	<1	<5	34.4	122	-	-	-	-	-
MW-2	05/18/2010	801.83	38.52	763.31	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<100	<600	-	-	-	-	-
MW-2	06/03/2010	801.83	39.15	762.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/17/2010	801.83	41.51	760.32	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-2	11/22/2010	801.83	42.53	759.30	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	189	-	-	-	-	-
MW-2	02/14/2011	801.83	43.08	758.75	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-2	04/25/2011	801.83	36.02	765.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/28/2011	801.83	36.03	765.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/24/2011	801.83	36.08	765.75	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-2	08/22/2011	801.83	41.19	760.64	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-2	11/28/2011	801.83	36.71	765.12	59.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/30/2011	801.83	36.83	765.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/01/2011	801.83	36.83	765.00	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<155	<1	<1	<1	<5	<1
MW-2	12/06/2011	801.83	37.17	764.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/07/2011	801.83	37.23	764.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/08/2011	801.83	37.33	764.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/09/2011	801.83	36.90	764.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/13/2011	801.83	36.46	765.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/19/2011	801.83	36.07	765.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/28/2011	801.83	35.45	766.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/03/2012	801.83	35.95	765.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/09/2012	801.83	36.35	765.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/16/2012	801.83	36.72	765.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/17/2012	801.83	36.73	765.10	-	<1	<1	<1	<2	9.08	<1	<1	<1	49.9	<100	<152	<1	<1	<1	<5	<1
MW-2	01/24/2012	801.83	37.10	764.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/31/2012	801.83	37.45	764.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/08/2012	801.83	37.96	763.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/15/2012	801.83	38.23	763.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/22/2012	801.83	38.39	763.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-2	08/13/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/19/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/10/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/18/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	08/17/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/23/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/17/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/18/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	06/03/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	08/17/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/22/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/14/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	04/25/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/24/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	08/22/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/01/2011	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-2	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	01/17/2012	<	<	<	<	<	.	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-2	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-2	02/27/2012	801.83	38.56	763.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/05/2012	801.83	38.67	763.16	59.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/07/2012	801.83	38.88	762.95	59.57	<1	<1	<1	<2	1.85	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-2	04/06/2012	801.83	39.90	761.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/07/2012	801.83	41.12	760.71	59.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/08/2012	801.83	41.12	760.71	59.57	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	182	<2	<2	<2	<10	<2	<2
MW-2	06/05/2012	801.83	40.26	761.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	07/25/2012	801.83	41.54	760.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/20/2012	801.83	42.08	759.75	59.56	<1	<1	<1	<2	1.77	<1	<1	<1	8.4	147	<150	<1	<1	<1	<5	<1	<1
MW-2	09/04/2012	801.83	41.52	760.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	10/25/2012	801.83	41.87	759.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/05/2012	801.83	37.00	764.83	59.59	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	<152	<2	<2	<2	<10	<2	<2
MW-2	12/12/2012	801.83	39.25	762.58	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-	-	-	-
MW-2	01/22/2013	801.83	39.26	762.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/11/2013	801.83	36.20	765.63	59.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/12/2013	801.83	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	-	-	<1	<5	<1	<1
MW-2	03/07/2013	801.83	37.78	764.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/18/2013	801.83	38.60	763.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/13/2013	801.83	39.30	762.53	59.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/14/2013	801.83	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<152	-	-	-	-	-	-
MW-2	06/03/2013	801.83	39.58	762.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	07/26/2013	801.83	40.07	761.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/05/2013	801.83	40.15	761.68	59.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/06/2013	801.83	-	-	-	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	63.2 J	<2.00	<2.00	<2.00	<10.0	<2.00	<2.00
MW-2	09/05/2013	801.83	40.50	761.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	10/08/2013	801.83	41.76	760.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/18/2013	801.83	41.28	760.55	59.62	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-2	12/20/2013	801.83	40.55	761.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/24/2014	801.83	35.97	765.86	59.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/25/2014	801.83	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.7	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-2	05/06/2014	801.83	33.57	768.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/07/2014	801.83	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	23.7 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-2	08/05/2014	801.83	39.45	762.38	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-2	11/03/2014	801.83	42.36	759.47	59.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-2	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-2	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-2	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	08/20/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-2	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-2	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	<1	<1
MW-2	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	.	.	
MW-2	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
MW-2	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	08/06/2013	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-2	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	11/18/2013	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-2	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	02/25/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-2	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-2	05/07/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-2	08/05/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-2	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-2	11/04/2014	801.83	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	26.2 J	<1.00	<1.00	<1.00	<5.00	<1.00
MW-2	02/02/2015	801.83	41.58	760.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/04/2015	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	05/18/2015	801.83	38.70	763.13	59.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/19/2015	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	1.80	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	08/10/2015	801.83	39.04	762.79	59.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/11/2015	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	11/02/2015	801.83	39.40	762.43	59.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/03/2015	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	02/08/2016	801.83	36.13	765.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/11/2016	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	27	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	05/02/2016	801.83	37.14	764.69	59.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/05/2016	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	7.1 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	08/01/2016	801.83	39.35	762.48	59.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/02/2016	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	11/07/2016	801.83	42.45	759.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/09/2016	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	01/23/2017	801.83	43.71	758.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/25/2017	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	05/03/2017	801.83	40.55	761.28	59.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/09/2017	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	07/31/2017	801.83	41.17	760.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/01/2017	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	11/06/2017	801.83	42.95	758.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/07/2017	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	02/12/2018	801.83	44.38	757.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/14/2018	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	06/11/2018	801.83	36.75	765.08	59.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/12/2018	801.83	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-2	08/20/2018	801.83	35.10	766.73	59.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/21/2018	801.83	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-2	11/07/2018	801.83	36.70	765.13	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-2	02/04/2019	801.83	35.32	766.51	-	<0.05	<0.05	<0.05	<0.08	0.1 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-2	05/06/2019	801.83	37.88	763.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/08/2019	801.83	37.88	763.95	-	<0.05	0.1 J	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-2	11/04/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-2	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/05/2016	0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-2	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-2	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-2	02/04/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-2	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/08/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-2	08/26/2019	801.83	39.49	762.34	-	<0.05	<0.05	<0.05	<0.1	0.05 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-2	11/05/2019	801.83	40.23	761.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/06/2019	801.83	40.34	761.49	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06
MW-2	02/03/2020	801.83	39.20	762.63	-	<0.05	<0.07	<0.06	<0.2	0.07 J	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-2	04/27/2020	801.83	38.01	763.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/29/2020	801.83	38.01	763.82	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-2	05/27/2020	801.83	37.56	764.27	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-2	07/27/2020	801.83	40.07	761.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	07/28/2020	801.83	40.12	761.71	-	<0.05	<0.07	<0.06	<0.15	<0.05	<0.05	<0.05	<0.20	<1.1	<23	<59	<0.07	<0.10	<0.06	<0.1	<0.06
MW-2	11/03/2020	801.83	42.63	759.2	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	01/29/2021	801.83	39.95	761.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/03/2021	801.83	40.00	761.83	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	05/11/2021	801.83	39.07	762.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/12/2021	801.83	39.11	762.72	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	08/09/2021	801.83	41.75	760.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/10/2021	801.83	41.78	760.05	-	<0.050	0.12 J	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	11/09/2021	801.83	42.27	759.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/10/2021	801.83	42.27	759.56	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	02/22/2022	801.83	43.28	758.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/23/2022	801.83	43.28	758.55	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	05/10/2022	801.83	39.56	762.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/11/2022	801.83	39.37	762.46	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-2	08/22/2022	801.83	39.78	762.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/24/2022	801.83	41.55	760.28	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-3	09/12/2005	801.45	41.35	760.10	-	110	120	34 J	380	17,000	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/01/2005	801.45	40.58	760.87	-	20	3 J	6	210	630	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/20/2006	801.45	38.85	762.60	-	18	53	21	300	190	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/12/2006	801.45	40.58	760.87	-	100	110	40	350	15,000	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/20/2006	801.45	41.44	760.01	-	17	12	7	170	270	-	3 J	12	140	3,400	990	-	-	-	-	-
MW-3	11/02/2006	801.45	40.95	760.50	-	16 J	8 J	<8	130	6,500	-	31 J	230	2,900	12,000	1,300	-	-	-	-	-
MW-3	04/24/2007	801.45	36.51	764.94	-	<10	<14	<16	28 J	29,000	-	120	1,000	13,000	36,000	2,400	-	-	-	-	-
MW-3	08/08/2007	801.45	41.12	760.33	-	3 J	<4	<4	29	26,000	-	91	940	12,000	34,000	1,300	-	-	-	-	-
MW-3	11/07/2007	801.45	42.80	758.65	-	<50	<70	<80	<80	81,000	-	300 J	1,900	28,000	87,000	1,700	-	-	-	-	-
MW-3	02/21/2008	801.45	40.68	760.77	-	<25	<35	<40	<40	69,000	-	190 J	1,700	26,000	89,000	2,500	-	-	-	-	-
MW-3	05/14/2008	801.45	37.17	764.28	-	3 J	<1	<2	26	1,800	-	10 J	46	1,200	1,600	600	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-2	08/26/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
MW-2	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/06/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-2	02/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-2	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/29/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	0.1 J	
MW-2	05/27/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-2	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	07/28/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	0.097J	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-2	11/03/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-2	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/03/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	0.24 J	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	1.1	<2.0	0.077 J	
MW-2	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-2	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-2	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-2	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/23/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-2	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/11/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-2	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	0.15 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	0.27 J	<2.0	<0.080	
MW-3	09/12/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/01/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/12/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/20/2006	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/02/2006	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/24/2007	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/08/2007	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/07/2007	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/21/2008	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/14/2008	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-3	08/13/2008	801.45	39.90	761.55	-	<5	<7	<8	29 J	8,600	-	29 J	230	5,100	3,400	940	-	-	-	-	-
MW-3	11/19/2008	801.45	42.18	759.27	-	<10	<14	<16	21 J	8,600	-	21 J	150	5,100	8,100	880	-	-	-	-	-
MW-3	02/10/2009	801.45	40.57	760.88	-	4.1	<2	3.08	29	34,500	-	210	1,050	44,800	942	<40	-	-	-	-	-
MW-3	05/18/2009	801.45	38.40	763.05	-	2.26	<2	2.08	17.5	4,190	-	17.4	99.3	3,280	611	<40	-	-	-	-	-
MW-3	08/17/2009	801.45	41.00	760.45	-	<2	<2	<2	43.3	793	-	15.5	89.5	6,130	1,600	<40	-	-	-	-	-
MW-3	11/23/2009	801.45	37.96	763.49	-	<2	2.60	3.58	25.1	1,080	-	5.32	35.0	2,990	881	<40	-	-	-	-	-
MW-3	02/17/2010	801.45	37.07	764.38	-	<2	<2	<2	8.66	422	-	2.3	11	429	176	145	-	-	-	-	-
MW-3	05/18/2010	801.45	38.28	763.17	-	7.52	8.18	30.8	79.3	4,060	-	22.1	120	10,100	1,710	1,170	-	-	-	-	-
MW-3	06/03/2010	801.45	38.88	762.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/17/2010	801.45	41.44	760.01	-	6.96	3.34	27.5	44.1	11,200	-	39.0	236	19,400	3,050	978	-	-	-	-	-
MW-3	11/22/2010	801.45	42.49	758.96	-	<2	<2	<2	39.6	4,150	-	24.6	73.7	3,880	1,750	309	-	-	-	-	-
MW-3	02/14/2011	801.45	43.45	758.00	-	<2	<2	<2	64	2,100	-	<2	54.6	1,950	1,420	323	-	-	-	-	-
MW-3	04/25/2011	801.45	36.30	765.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/28/2011	801.45	36.61	764.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/24/2011	801.45	36.84	764.61	-	<2	<2	<2	23.0	1,300	-	4.32	20.0	1,740	1,130	248	-	-	-	-	-
MW-3	08/22/2011	801.45	41.25	760.20	-	<1	<1	<1	28.87	122	-	<1	2.96	574	771	236	-	-	-	-	-
MW-3	11/28/2011	801.45	37.40	764.05	61.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/30/2011	801.45	36.68	764.77	-	<1	<1	<1	<2	970	1.27	2.45	12	2,680	244	<150	<1	<1	3.33	<5	<1
MW-3	12/01/2011	801.45	37.12	764.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/06/2011	801.45	37.40	764.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/07/2011	801.45	37.28	764.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/08/2011	801.45	36.59	764.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/09/2011	801.45	35.96	765.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/13/2011	801.45	36.41	765.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/19/2011	801.45	34.94	766.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/28/2011	801.45	34.48	766.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/03/2012	801.45	34.51	766.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/09/2012	801.45	35.05	766.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/16/2012	801.45	35.38	766.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/17/2012	801.45	35.35	766.10	-	<1	<1	<1	<2	438	<1	3.79	9.36	1,480	424	452	<1	<1	<1	<5	<1
MW-3	01/24/2012	801.45	35.72	765.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/31/2012	801.45	36.29	765.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/08/2012	801.45	36.67	764.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/15/2012	801.45	36.92	764.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/22/2012	801.45	37.15	764.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-3	08/13/2008	<10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	11/19/2008	<20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/10/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	05/18/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	08/17/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	11/23/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/17/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	05/18/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	06/03/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	08/17/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	11/22/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/14/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	05/24/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	08/22/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	11/30/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-3	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	01/17/2012	<1	<1	<1	<1	<1	.	Δ	.	Δ	Δ	.	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
MW-3	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-3	02/27/2012	801.45	38.07	763.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/05/2012	801.45	37.15	764.30	61.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/07/2012	801.45	37.60	763.85	61.55	<2	<2	<2	<4	596	<2	<2	15.8	1,460	365	<308	<2	<2	<2	<10	<2	
MW-3	04/06/2012	801.45	38.92	762.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/07/2012	801.45	69.65 ¹	731.80	62.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/09/2012	801.45	39.48	761.97	61.52	<1	<1	<1	<2	285 VH	<1	VH	VH	627	119	188	<1	<1	<1	<5	<1	
MW-3	06/05/2012	801.45	38.90	762.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	07/25/2012	801.45	39.81	761.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/20/2012	801.45	40.28	761.17	61.55	15.8	18.3	4.54	<4	908	18.4	3.8	14.1	1,970	182	<152	<2	<2	6.38	<10	<2	
MW-3	09/04/2012	801.45	40.50	760.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	10/25/2012	801.45	41.15	760.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/05/2012	801.45	36.66	764.79	61.55	<2	<2	<2	<4	1,270	<2	4.82	15.6	1,870	<100	171	<2	<2	<2	<10	<2	
MW-3	12/12/2012	801.45	38.50	762.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/22/2013	801.45	38.15	763.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/11/2013	801.45	35.66	765.79	61.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/12/2013	801.45	-	-	-	<2	<2	<2	<4	499	<2	<2	6.16	584	<100	<153	<2	<2	<2	<10	<2	
MW-3	03/07/2013	801.45	36.63	764.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/18/2013	801.45	37.65	763.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/13/2013	801.45	38.11	763.34	61.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/14/2013	801.45	-	-	-	<0.5	<0.5	<0.5	<1	81.2	<0.5	<0.5	1.19	52	116	<156	-	-	-	-	-	-
MW-3	06/03/2013	801.45	38.83	762.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	07/26/2013	801.45	39.15	762.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/05/2013	801.45	39.33	762.12	61.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/06/2013	801.45	-	-	-	<1	<1	<1	<2	372	<1	<1	<1	<5	275	47.7 J	<1.00	<1.00	<1	<5.00	<1	
MW-3	09/05/2013	801.45	39.90	761.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	10/08/2013	801.45	40.84	760.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/18/2013	801.45	40.55	760.90	61.58	<2	<2	<2	<4	282	2.04	<2	4.84	797	333	78.3 J	<2.00	<2.00	<2	<10.0	<2	
MW-3	12/20/2013	801.45	40.03	761.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/24/2014	801.45	35.61	765.84	61.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/25/2014	801.45	-	-	-	<2	<2	<2	<4	151	<2	<2	<2	433	233	245	<2.00	<2.00	<2	<10.0	<2	
MW-3	05/06/2014	801.45	33.57	767.88	61.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/07/2014	801.45	-	-	-	<1	<1	<1	4.12	48	3.83	<1	<1	364	126	<23.2	<1.00	<1.00	<1	<5.00	<1	
MW-3	08/05/2014	801.45	39.26	762.19	-	1.44	<1	<1	<2	149	5.47	<2	2.07	523	78.9 J	418	<1.00	<1.00	<1	<5.00	<1	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)		
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5		
MW-3	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	03/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-3	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-3	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	08/20/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-3	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-3	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-3	02/12/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VH	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	2 VH	<2	<2
MW-3	03/07/2013
MW-3	04/18/2013
MW-3	05/13/2013
MW-3	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	.	<0.5	<0.5	<0.5
MW-3	06/03/2013
MW-3	07/26/2013
MW-3	08/05/2013
MW-3	08/06/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	<1.00	
MW-3	09/05/2013
MW-3	10/08/2013
MW-3	11/18/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	2.44	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-3	12/20/2013
MW-3	02/24/2014
MW-3	02/25/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-3	05/06/2014
MW-3	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	2.25	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-3	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1 2e	<1.00	4.38	<1	<1	<1	1.26	<1	<1	<1	<1.00	<1.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-3	11/03/2014	801.45	42.53	758.92	61.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/04/2014	801.45	-	-	-	1.01	<1	<1	<2	88.9	<1	<1	1.55	252	264	250	<1.00	<1.00	<1	<5.00	<1	
MW-3	02/02/2015	801.45	41.96	759.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/04/2015	801.45	-	-	-	0.6	<0.1	<0.1	0.2 J	24	0.2 J	0.1 J	<0.1	78	280	73 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	05/18/2015	801.45	37.38	764.07	61.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/19/2015	801.45	-	-	-	<0.1	<0.1	<0.1	<0.1	17	<0.1	<0.1	0.1 J	<4.0	21 J	160	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	08/10/2015	801.45	37.70	763.75	61.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/11/2015	801.45	-	-	-	<0.1	<0.1	<0.1	<0.1	9	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	11/02/2015	801.45	38.13	763.32	61.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/03/2015	801.45	-	-	-	<0.1	<0.1	<0.1	<0.1	2.7	<0.1	<0.1	<0.1	<4	<20	54 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	02/08/2016	801.45	35.92	765.53	61.60	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	05/02/2016	801.45	35.82	765.63	61.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/05/2016	801.45	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	08/01/2016	801.45	37.47	763.98	61.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/02/2016	801.45	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	11/07/2016	801.45	41.92	759.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/09/2016	801.45	-	-	-	0.4 J	<0.1	<0.1	0.4 J	140	0.7	0.5	3.4	160	210	<45	<0.1	<0.3	0.6	<0.2	<0.1	
MW-3	12/13/2016	801.45	43.68	757.77	61.73	0.6	<0.1	<0.1	<0.1	36	<0.1	0.2 J	1	80	180	96 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	01/23/2017	801.45	44.01	757.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/25/2017	801.45	-	-	-	0.3 J	<0.1	<0.1	<0.1	15	<0.1	<0.1	<0.1	13	210	57 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	04/05/2017	801.45	43.53	757.92	61.70	0.3 J	<0.1	<0.1	<0.1	17	<0.1	<0.1	<0.1	19	-	-	-	-	<0.1	-	<0.1	
MW-3	05/03/2017	801.45	40.9	760.55	61.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/09/2017	801.45	-	-	-	<0.1	<0.1	<0.1	<0.1	17	<0.1	<0.1	0.3 J	6.4 J	59	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-3	07/31/2017	801.45	41.38	760.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/02/2017	801.45	-	-	-	0.2 J	<0.1	0.1 J	0.3 J	14	<0.1	<0.1	0.3 J	26	190	<45	<0.1	<0.3	0.1 J	<0.2	<0.1	
MW-3	11/06/2017	801.45	41.74	759.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/07/2017	801.45	-	-	-	2	0.2 J	0.2 J	2.5	55	8.6	0.6	1.7	560	850	370	<0.1	<0.3	2.4	<0.2	<0.1	
MW-3	02/12/2018	801.45	43.58	757.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/14/2018	801.45	-	-	-	2.1	<0.1	0.1 J	0.5 J	43	<0.1	0.4 J	1.3	340	610	220	<0.1	<0.3	0.7	<0.2	<0.1	
MW-3	06/11/2018	801.45	36.38	765.07	61.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/13/2018	801.45	-	-	-	1	<0.1	<0.1	24	8.3	10	0.1 J	0.3 J	600	340	590	<0.1	<0.3	2.2	<0.2	<0.1	
MW-3	08/20/2018	801.45	35.60	765.85	61.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/21/2018	801.45	-	-	-	0.3 J	<0.05	<0.05	2.7	8.1	0.2 J	0.07 J	<0.3	220	180	240	<0.06	<0.06	<0.05	<0.2	0.4 J	
MW-3	11/07/2018	801.45	36.58	764.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/08/2018	801.45	36.60	764.85	-	0.8	<0.05	0.2 J	0.8	5.8	2.8	<0.05	<0.3	72	190	130	<0.06	<0.06	0.1 J	<0.2	<0.05	
MW-3	02/04/2019	801.45	35.22	766.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-3	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	5.02	<1	<1	<1	3.02	<1	<1	<1.00	<1.00	
MW-3	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	2.9	0.1 J	<0.1	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	
MW-3	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	02/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1.3	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	
MW-3	12/13/2016	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1.3	<0.1	<0.1	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	
MW-3	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/25/2017	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.4 J	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	<0.1	
MW-3	04/05/2017	<0.1	-	<0.1	-	-	<0.4	<0.1	<0.1	<0.1	<0.2	-	0.4 J	<0.1	<0.1	<0.1	1.6	<0.1	0.1 J	-	<0.1	
MW-3	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-3	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.4 J	<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1	<0.1	
MW-3	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/07/2017	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	12	1.4	0.5	0.3 J	7.4	<0.1	<0.1	<0.1	<0.1	
MW-3	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/14/2018	0.4 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	3.6	0.2 J	0.2 J	0.1 J	3.8	<0.1	<0.1	<0.1	<0.1	
MW-3	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/13/2018	0.2 J	<0.1	0.1 J	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1.1	0.2 J	<0.1	<0.1	0.7	<0.1	0.2 J	<0.1	<0.1	
MW-3	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/21/2018	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.9	<0.07	<0.05	<0.05	0.8	<0.05	0.1 J	<0.6	<0.05	
MW-3	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/08/2018	0.1 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	1.7	0.2 J	0.08 J	<0.05	2.1	<0.05	0.5 J	<0.6	<0.05	
MW-3	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-3	02/06/2019	801.45	35.34	766.11	-	<0.05	<0.05	<0.05	<0.08	3.4	<0.09	<0.05	<0.3	2.1 J	51	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-3	05/06/2019	801.45	37.69	763.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/08/2019	801.45	37.78	763.67	-	2.5	2.2	11	16	9	16	0.1 J	<0.3	260	330	690	<0.06	<0.06	14	<0.2	0.5
MW-3	08/26/2019	801.45	39.69	761.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/29/2019	801.45	39.75	761.70	-	0.2 J	<0.05	<0.05	0.6 J	2.5	1.4	<0.05	<0.3	16	140	58 J	<0.06	<0.06	<0.05	<0.2	0.1 J
MW-3	11/05/2019	801.45	40.60	760.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/06/2019	801.45	40.65	760.80	-	0.1 J	<0.07	<0.06	0.2 J	1.8	0.1 J	<0.05	<0.2	5.7 J	130	<49	<0.07	<0.1	0.2 J	<0.1	0.1 J
MW-3	02/03/2020	801.45	39.73	761.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/10/2020	801.45	39.28	762.17	-	0.1 J	<0.07	<0.06	<0.2	3.3	0.07 J	<0.05	<0.2	1.8 J	74	<51	<0.07	<0.1	<0.06	<0.1	<0.06
MW-3	04/27/2020	801.45	37.98	763.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/29/2020	801.45	37.97	763.48	-	2.3	0.6	2.6	34	11	25	0.1 J	0.4 J	420	620	730	<0.07	<0.1	25	<0.1	<0.06
MW-3	05/27/2020	801.45	37.45	764.00	-	0.3 J	<0.07	<0.06	1.3	3.3	1.2	<0.05	<0.2	31	140	<51	<0.07	<0.1	<0.06	<0.1	<0.06
MW-3	07/27/2020	801.45	39.94	761.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	07/31/2020	801.45	38.67	762.78	-	2.2	0.18 J	7.5	1.8	11	20	0.18 J	0.37 J	330	580	900	<0.07	<0.10	15	<0.1	<0.06
MW-3	11/03/2020	801.45	42.78	758.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/05/2020	801.45	42.87	758.58	-	0.12 J	<0.070	<0.060	<0.15	3.0	<0.050	<0.050	<0.20	7.3 J	240	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-3	01/29/2021	801.45	39.57	761.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/03/2021	801.45	39.53	761.92	-	0.8	<0.070	<0.060	1.7	12	4.8	0.12 J	0.37 J	160	190	150	<0.070	0.11 J	<0.060	<0.10	<0.060
MW-3	05/11/2021	801.45	39.07	762.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/17/2021	801.45	39.55	761.90	-	0.086 J	<0.070	<0.060	<0.15	1.6	<0.050	<0.050	<0.20	<1.1	90	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-3	08/09/2021	801.45	41.97	759.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/11/2021	801.45	42.07	759.38	-	<0.050	0.071 J	<0.060	<0.15	0.84	<0.050	<0.050	<0.20	<1.1	73	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-3	11/09/2021	801.45	42.68	758.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/11/2021	801.45	42.74	758.71	-	<0.050	<0.070	<0.060	<0.15	0.77	<0.050	<0.050	<0.20	<1.1	130	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-3	02/22/2022	801.45	43.69	757.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/28/2022	801.45	43.57	757.88	-	0.22 J	<0.070	<0.060	<0.15	1.4	<0.050	<0.050	<0.20	<1.1	120	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-3	05/10/2022	801.45	39.95	761.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/11/2022	801.45	39.75	761.70	-	1.2	3.5	5.0	44	14	8.2	0.17 J	<0.20	120	570	730	<0.070	<0.10	38	<0.10	<0.060
MW-3	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/25/2022	801.45	41.64	759.81	-	0.34 J	<0.080	<0.080	0.11 J	2.4	2.3	<0.10	<0.20	40	230	120	<0.10	<0.10	<0.080	<0.10	<0.080
MW-3S	09/20/2006	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	11/02/2006	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	04/24/2007	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	08/08/2007	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	11/07/2007	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	01/23/2008	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-3	02/06/2019	0.08 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.05	<0.05	<0.05	0.6	<0.05	0.08 J	<0.6	<0.05
MW-3	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/08/2019	0.4 J	<0.05	0.9	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	6.1	0.6	4.1	0.4 J	2.5	0.07 J	0.3 J	<0.6	<0.05
MW-3	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/29/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.4 J	0.2 J	<0.05	<0.05	1.8	<0.05	0.06 J	<0.8	<0.05
MW-3	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/06/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	1.6	<0.06	<0.05	0.2 J	0.07 J	<0.06	<0.05	1.5	<0.07	0.06 J	<2.0	<0.06
MW-3	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/10/2020	0.06 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	0.7	<0.07	0.08 J	<2.0	<0.06
MW-3	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/29/2020	0.3 J	<0.06	0.5	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	11	2.6	2.4	0.1 J	4.6	0.08 J	0.4 J	<2.0	0.07 J
MW-3	05/27/2020	0.07 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.8	0.2 J	<0.06	<0.05	1.6	<0.07	0.2 J	<2.0	<0.06
MW-3	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	07/31/2020	0.27 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	11	2.8	6.0	0.73	5.1	0.078 J	0.16 J	<2.0	<0.06
MW-3	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/05/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.15 J	0.11 J	<0.060	<0.050	2.2	<0.070	0.15 J	<2.0	<0.060
MW-3	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/03/2021	0.13 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	2.3	0.9	<0.060	<0.050	2.3	<0.070	0.28 J	<2.0	<0.060
MW-3	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/17/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.72	<0.070	0.096 J	<2.0	<0.060
MW-3	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/11/2021	<0.050	<0.060	<0.060	<0.070	1.2	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.45 J	<0.070	0.081 J	<2.0	<0.060
MW-3	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/11/2021	<0.050	<0.060	<0.060	<0.070	2.5	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.074 J	<0.050	<0.060	<0.050	1.0	<0.070	0.15 J	<2.0	<0.060
MW-3	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/28/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.68	<0.070	0.13 J	<2.0	<0.060
MW-3	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/11/2022	0.16 J	<0.060	10	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	5.3	1.1	6.2	0.66	2.8	<0.070	0.30 J	<2.0	<0.060
MW-3	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/25/2022	<0.070	<0.10	<0.080	<0.080	<0.080	0.12 J	<0.070	<0.10	<0.090	<0.10	<0.080	2.1	0.54	<0.10	<0.080	2.3	<0.080	<0.20	<2.0	<0.080
MW-3S	09/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	11/02/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	04/24/2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	08/08/2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	11/07/2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	01/23/2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-4	12/01/2005	801.35	40.79	760.56	-	46	5 J	2 J	67	1,400	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/20/2006	801.35	37.04	764.31	-	3 J	0.9 J	<0.8	6	150	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/12/2006	801.35	40.80	760.55	-	53	2 J	<0.8	26	390	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/20/2006	801.35	40.98	760.37	-	76	15	3 J	85	2,700	-	24	76	1,000	5,500	670	-	-	-	-	-
MW-4	11/02/2006	801.35	41.30	760.05	-	55	8 J	<8	62	5,800	-	34 J	140	2,300	10,000	1,200	-	-	-	-	-
MW-4	04/24/2007	801.35	36.75	764.60	-	4 J	<0.7	<0.8	4 J	780	-	5 J	18	360	1,400	340	-	-	-	-	-
MW-4	08/08/2007	801.35	41.40	759.95	-	<0.5	<0.7	<0.8	<0.8	230	-	1 J	4 J	<10	380	<290	-	-	-	-	-
MW-4	11/07/2007	801.35	43.40	757.95	-	<1	<1	<2	<2	970	-	6 J	20	210	1,300	180	-	-	-	-	-
MW-4	02/21/2008	801.35	40.90	760.45	-	2 J	<1	<2	7 J	2,600	-	9 J	47	1,300	3,700	430	-	-	-	-	-
MW-4	05/14/2008	801.35	37.30	764.05	-	<0.5	<0.7	<0.8	<0.8	140	-	<0.8	2 J	<10	85	64 J	-	-	-	-	-
MW-4	08/13/2008	801.35	39.95	761.40	-	<0.5	<0.7	<0.8	<0.8	180	-	1 J	3 J	<10	75	70 J	-	-	-	-	-
MW-4	11/19/2008	801.35	42.39	758.96	-	<0.5	<0.7	1 J	4 J	460	-	2 J	8	66 J	460	200	-	-	-	-	-
MW-4	02/10/2009	801.35	40.52	760.83	-	<1	<1	<1	2.29	16.0	-	<1	<1	<5	54.6	<40	-	-	-	-	-
MW-4	05/18/2009	801.35	38.35	763.00	-	<1	<1	<1	<1	14.2	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-4	08/17/2009	801.35	41.25	760.10	-	<1	<1	<1	<1	101	-	<1	1.35	<5	113	<40	-	-	-	-	-
MW-4	11/23/2009	801.35	38.04	763.31	-	<1	1.97	4.21	10.66	24.1	-	<1	<1	278	104	31.9	-	-	-	-	-
MW-4	02/17/2010	801.35	37.25	764.10	-	<1	<1	<1	<1	7.54	-	<1	<1	<5	37	81.8	-	-	-	-	-
MW-4	05/18/2010	801.35	38.72	762.63	-	<2	<2	<2	3.26	103	-	<2	<2	<10	<100	<300	-	-	-	-	-
MW-4	06/03/2010	801.35	39.30	762.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/17/2010	801.35	41.75	759.60	-	<1	<1	<1	1.57	399	-	<1	2.48	12.8	167	<150	-	-	-	-	-
MW-4	11/22/2010	801.35	42.83	758.52	-	<1	<1	<1	<1	83.0	-	<1	1.41	6.55	<100	<150	-	-	-	-	-
MW-4	02/14/2011	801.35	43.60	757.75	-	<1	<1	<1	<1	37.7	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-4	04/25/2011	801.35	36.08	765.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/28/2011	801.35	36.71	764.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/24/2011	801.35	37.10	764.25	-	<1	<1	<1	<1	4.11	-	<1	<1	<5	<100	151	-	-	-	-	-
MW-4	08/22/2011	801.35	41.44	759.91	-	<1	<1	<1	1.65	27.4	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-4	11/28/2011	801.35	36.81	764.54	59.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/30/2011	801.35	36.91	764.44	-	<1	<1	<1	<2	4.07	<1	<1	<1	<5	<100	<170	<1	<1	<1	<5	<1
MW-4	12/06/2011	801.35	37.42	763.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/07/2011	801.35	37.82	763.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/08/2011	801.35	37.79	763.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/09/2011	801.35	37.38	763.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/13/2011	801.35	36.76	764.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/19/2011	801.35	36.82	764.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/28/2011	801.35	36.10	765.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-4	12/01/2005	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	01/20/2006	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	05/12/2006	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	09/20/2006	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/02/2006	<10	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	04/24/2007	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	08/08/2007	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/07/2007	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	02/21/2008	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	05/14/2008	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	08/13/2008	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/19/2008	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	02/10/2009	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	05/18/2009	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	08/17/2009	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/23/2009	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	02/17/2010	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	05/18/2010	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	06/03/2010	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	08/17/2010	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/22/2010	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	02/14/2011	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	04/25/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	04/28/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	05/24/2011	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	08/22/2011	△	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/28/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	11/30/2011	△	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-4	12/06/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	12/07/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	12/08/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	12/09/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	12/13/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	12/19/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
MW-4	12/28/2011	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-4	01/03/2012	801.35	36.18	765.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/09/2012	801.35	36.57	764.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/16/2012	801.35	36.95	764.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/17/2012	801.35	37.35	764.00	-	<1	<1	<1	<2	506	<1	43.8	11	599	455	<152	<1	<1	<1	<5	<1	
MW-4	01/24/2012	801.35	37.57	763.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/31/2012	801.35	37.83	763.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/08/2012	801.35	38.13	763.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/15/2012	801.35	38.40	762.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/22/2012	801.35	38.72	762.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/27/2012	801.35	38.53	762.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/05/2012	801.35	38.75	762.60	59.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/07/2012	801.35	38.94	762.41	59.15	<2	<2	<2	<4	750	<2	3.88	16.7	664	420	<151	<2	<2	<2	<10	<2	
MW-4	04/06/2012	801.35	39.83	761.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/07/2012	801.35	41.07	760.28	59.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/08/2012	801.35	41.05	760.30	59.13	<2	<2	<2	<4	1,380	2.08 VC	<2	13	494	327	281	<2	<2	<2	<10	<2	
MW-4	06/05/2012	801.35	40.64	760.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/25/2012	801.35	41.58	759.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/20/2012	801.35	41.96	759.39	59.20	<2	<2	<2	<4	1,190	4.56	4.24	21	1,040	127	<150	<2	<2	<2	<10	<2	
MW-4	09/04/2012	801.35	41.17	760.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/25/2012	801.35	41.70	759.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/05/2012	801.35	37.38	763.97	59.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2012	801.35	-	-	-	<2	<2	<2	<4	496	<2	<2	11.2 VH	232	<100	<153	<2	<2	<2	<10	<2	
MW-4	12/12/2012	801.35	38.80	762.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/22/2013	801.35	39.33	762.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/11/2013	801.35	37.30	764.05	49.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/12/2013	801.35	-	-	-	<2	<2	<2	<4	548	<2	<2	6.7	212	<100	301	<2	<2	<2	<10	<2	
MW-4	03/07/2013	801.35	37.80	763.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/18/2013	801.35	38.61	762.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/13/2013	801.35	39.22	762.13	58.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/14/2013	801.35	-	-	-	<0.5	<0.5	<0.5	<1	194	<0.5	<0.5	2.87	46	250	164	-	-	-	-	-	-
MW-4	06/03/2013	801.35	39.55	761.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/26/2013	801.35	40.26	761.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/05/2013	801.35	40.38	760.97	58.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/06/2013	801.35	-	-	-	<2	<2	<2	<4	225	<2	<2	<2	<10	209	91.9 J	<2.00	<2.00	<2	<10.0	<2	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-4	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	01/17/2012	<1	<1	<1	<1	<1	.	<1	.	<1	.	<1	1.07	<1	<1	.	<1	.	<1	.	<1	
MW-4	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	03/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-4	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-4	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	08/20/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-4	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	11/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-4	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	02/12/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VH	<2	<2	2 VC	<2	<2	<2	<2	2 VH	<2	<2	
MW-4	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
MW-4	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-4	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-4	09/05/2013	801.35	40.79	760.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/08/2013	801.35	41.85	759.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/18/2013	801.35	41.42	759.93	58.95	<2	<2	<2	<4	228	<2	<2	3.30	124	169	81.0 J	<2.00	<2.00	<2	<10.0	<2	
MW-4	12/20/2013	801.35	40.98	760.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/23/2014	801.35	36.91	764.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/10/2014	801.35	37.23	764.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/24/2014	801.35	36.61	764.74	58.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/25/2014	801.35	-	-	-	<2	<2	<2	<4	97.2	<2	<2	<2	45.8	116	346	<2.00	<2.00	<2	<10.0	<2	
MW-4	03/11/2014	801.35	36.38	764.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/21/2014	801.35	35.86	765.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/04/2014	801.35	35.09	766.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/21/2014	801.35	35.15	766.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/06/2014	801.35	33.99	767.36	58.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/07/2014	801.35	-	-	-	<1	<1	<1	<2	7.21	<1	<1	<1	<5	<13	60.8 J	<1.00	<1.00	<1	<5.00	<1	
MW-4	05/22/2014	801.35	34.46	766.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/09/2014	801.35	36.00	765.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/23/2014	801.35	36.61	764.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/10/2014	801.35	38.26	763.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/05/2014	801.35	39.28	762.07	59.00	<1	<1	<1	<2	42.9	<1	<1	<1	30.5	<13	52.4 J	<1.00	<1.00	<1	<5.00	<1	
MW-4	11/03/2014	801.35	42.75	758.60	58.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/04/2014	801.35	-	-	-	<1	<1	<1	<2	22.9	<1	<1	<1	<5	24.9 J	<92.8	<1.00	<1.00	<1	<5.00	<1	
MW-4	02/02/2015	801.35	42.16	759.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/04/2015	801.35	-	-	-	0.2 J	<0.1	<0.1	<0.1	27	<0.1	0.1 J	0.5 J	33	53	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-4	05/18/2015	801.35	38.21	763.14	58.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/19/2015	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	22	<0.1	0.2 J	0.3 J	6.4 J	27 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-4	08/10/2015	801.35	38.83	762.52	58.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/11/2015	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	14	<0.1	<0.1	0.1 J	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-4	11/02/2015	801.35	39.15	762.20	58.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/03/2015	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	23	<0.1	0.1 J	0.2 J	<4	23 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-4	03/18/2016	801.35	35.96	765.39	58.91	<0.1	<0.1	<0.1	<0.1	3.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-4	05/02/2016	801.35	36.78	764.57	58.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/05/2016	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	11	<0.1	<0.1	0.1 J	9.0 J	31 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-4	08/01/2016	801.35	38.39	762.96	58.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-4	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/18/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-4	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/25/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-4	03/11/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/04/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-4	05/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/09/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.2e	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-4	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-4	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.5 J	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<1.0	<0.1	
MW-4	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<1.0	<0.1	
MW-4	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<1.0	<0.1	
MW-4	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<1.0	<0.1	
MW-4	03/18/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<1.0	<0.1	
MW-4	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	0.2 J	<1.0	<0.1	
MW-4	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-4	08/02/2016	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	11/07/2016	801.35	42.40	758.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/09/2016	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4.0	35 J	740	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	01/23/2017	801.35	44.17	757.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/25/2017	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	9.4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	05/03/2017	801.35	40.71	760.64	59.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/09/2017	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	07/31/2017	801.35	41.58	759.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/01/2017	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	11/06/2017	801.35	42.45	758.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/07/2017	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	5.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	02/12/2018	801.35	44.12	757.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/14/2018	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	2.9	<0.1	<0.1	<0.1	<4.0	<20	1700	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	06/11/2018	801.35	37.17	764.18	59.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/12/2018	801.35	-	-	-	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	<4.0	<20	67 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-4	08/20/2018	801.35	34.83	766.52	58.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/21/2018	801.35	-	-	-	<0.05	<0.05	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	85 J	<0.06	<0.06	<0.05	<0.2	<0.05
MW-4	11/07/2018	801.35	36.69	764.66	-	<0.05	<0.05	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-4	02/04/2019	801.35	35.53	765.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/05/2019	801.35	35.58	765.77	-	<0.05	<0.05	<0.05	<0.08	0.5	<0.09	<0.05	<0.3	<1.6	19 J	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-4	05/06/2019	801.35	37.58	763.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/08/2019	801.35	38.04	763.31	-	<0.05	<0.05	<0.05	<0.08	1.3	0.2 J	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-4	08/26/2019	801.35	39.60	761.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/28/2019	801.35	39.96	761.39	-	<0.05	<0.05	<0.05	<0.1	1.4	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-4	11/05/2019	801.35	41.00	760.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/06/2019	801.35	41.05	760.30	-	<0.05	<0.07	<0.06	<0.2	1.2	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06
MW-4	02/03/2020	801.35	39.68	761.67	-	<0.05	<0.05	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	85 J	<0.06	<0.06	<0.05	<0.2	<0.05
MW-4	02/05/2020	801.35	39.68	761.67	-	<0.05	<0.07	<0.06	<0.2	0.6	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-4	04/27/2020	801.35	38.83	762.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/29/2020	801.35	38.40	762.95	-	<0.05	<0.07	<0.06	<0.2	1	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-4	05/28/2020	801.35	37.77	763.58	-	0.07 J	0.09 J	<0.06	<0.2	0.6	<0.05	<0.05	<0.2	<1.1	<23	58 J	<0.07	<0.1	<0.06	<0.1	<0.06
MW-4	07/27/2020	801.35	40.34	761.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/28/2020	801.35	40.36	760.99	-	<0.05	<0.07	<0.06	<0.15	2.0	<0.05	<0.05	<0.20	<1.1	23 J	<59	<0.07	<0.10	<0.06	<0.1	<0.06
MW-4	11/03/2020	801.35	43.10	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/05/2020	801.35	43.23	758.12	-	<0.050	<0.070	<0.060	<0.15	1.7	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	01/29/2021	801.35	39.90	761.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-4	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<1.0	<0.1
MW-4	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<1.0	<0.1
MW-4	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<1.0	<0.1
MW-4	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-4	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-4	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<1.0	<0.1
MW-4	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-4	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-4	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.08 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-4	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.07 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	0.09 J	<0.6	<0.05
MW-4	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/05/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.06 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-4	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/08/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.07 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	0.1 J	<0.6	<0.05
MW-4	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/28/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.07 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	0.2 J	<0.8	<0.05
MW-4	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/06/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.4 J	<2.0	<0.06	
MW-4	02/03/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.08 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-4	02/05/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.1 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-4	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/29/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.08 J	<2.0	0.2 J	
MW-4	05/28/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-4	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/28/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	0.19 J	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.30 J	<2.0	<0.06	
MW-4	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/05/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.33 J	<2.0	<0.060	
MW-4	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-4	02/03/2021	801.35	39.97	761.38	-	<0.050	<0.070	<0.060	<0.15	3	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	05/11/2021	801.35	39.13	762.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/13/2021	801.35	39.42	761.93	-	<0.050	<0.070	<0.060	<0.15	0.61	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	08/09/2021	801.35	42.24	759.11	-	<0.050	<0.070	<0.060	<0.15	1.1	0.15 J	<0.050	<0.20	2.9 J	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	11/09/2021	801.35	42.96	758.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/10/2021	801.35	42.95	758.40	-	<0.050	<0.070	<0.060	<0.15	1.5	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	02/22/2022	801.35	43.93	757.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/23/2022	801.35	43.93	757.42	-	<0.050	<0.070	<0.060	<0.15	0.76	<0.050	<0.050	<0.20	3.7 J	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	05/10/2022	801.35	40.43	760.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/11/2022	801.35	40.23	761.12	-	<0.050	<0.070	<0.060	<0.15	0.96	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-4	08/22/2022	801.35	38.97	762.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/25/2022	801.35	41.92	759.43	-	<0.10	<0.080	<0.080	<0.070	1.9	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-5B	08/14/2008	802.64	41.05	761.59	-	3 J	<0.7	<0.8	3 J	0.8 J	-	<0.8	<0.8	17 J	38 J	670	-	-	-	-	-
MW-5B	11/20/2008	802.64	43.02	759.62	-	2 J	<0.7	<0.8	2 J	0.6 J	-	<0.8	<0.8	24 J	61	720	-	-	-	-	-
MW-5B	02/11/2009	802.64	41.40	761.24	-	1.25	<1	<1	1.52	<1	-	<1	<1	13.1	72.2	<80	-	-	-	-	-
MW-5B	05/19/2009	802.64	40.11	762.53	-	1.36	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-5B	08/18/2009	802.64	41.89	760.75	-	<1	<1	<1	1.01	<1	-	<1	<1	<5	61.9 J	<40	-	-	-	-	-
MW-5B	11/24/2009	802.64	38.98	763.66	-	<1	<1	<1	1.07	<1	-	<1	<1	<5	66.8	122	-	-	-	-	-
MW-5B	02/18/2010	802.64	38.20	764.44	-	<1	<1	<1	<1	<1	-	<1	<1	<5	57.5	139	-	-	-	-	-
MW-5B	05/20/2010	802.64	38.86	763.78	-	<1	<1	<1	<1	<1	-	<1	<1	35	<100	<300	-	-	-	-	-
MW-5B	06/03/2010	802.64	40.18	762.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/17/2010	802.64	42.24	760.40	-	<1	<1	<1	<1	<1	-	<1	<1	13.2	<100	234	-	-	-	-	-
MW-5B	11/23/2010	802.64	43.13	759.51	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	184	-	-	-	-	-
MW-5B	02/16/2011	802.64	44.16	758.48	-	2.98	<1	<1	<1	1.76	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-5B	04/25/2011	802.64	38.46	764.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	04/28/2011	802.64	38.09	764.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/25/2011	802.64	37.95	764.69	-	1.53	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-5B	08/22/2011	802.64	41.86	760.78	-	1.29	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-5B	11/28/2011	802.64	39.17	763.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/30/2011	802.64	85.98	716.66	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<155	<1	<1	<1	<5	<1
MW-5B	12/06/2011	802.64	64.08	738.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/07/2011	802.64	61.76	740.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/08/2011	802.64	59.60	743.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/09/2011	802.64	57.50	745.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/13/2011	802.64	51.34	751.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-4	02/03/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	0.13 J	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.82	<2.0	<0.060
MW-4	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/13/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	0.15 J	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-4	08/09/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.31 J	<2.0	<0.060
MW-4	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.37 J	<2.0	<0.060
MW-4	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/23/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.095 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.17 J	<2.0	<0.060
MW-4	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/11/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.18 J	<2.0	<0.060
MW-4	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/25/2022	<0.070	<0.10	<0.080	<0.080	<0.080	0.16 J	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	0.38 J	<2.0	<0.080
MW-5B	08/14/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/20/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/11/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/19/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/18/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/24/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/18/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/20/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	06/03/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/17/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/23/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/16/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/25/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/22/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/30/2011	1 V4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-5B	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-5B	12/19/2011	802.64	45.10	757.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	12/28/2011	802.64	39.78	762.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/03/2012	802.64	38.15	764.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/09/2012	802.64	37.15	765.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/16/2012	802.64	36.65	765.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/19/2012	802.64	36.58	766.06	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-5B	01/24/2012	802.64	75.23	727.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/31/2012	802.64	57.45	745.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/08/2012	802.64	47.75	754.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/15/2012	802.64	43.35	759.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/22/2012	802.64	41.10	761.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/27/2012	802.64	40.20	762.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	03/05/2012	802.64	39.52	763.12	100.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	03/08/2012	802.64	39.32	763.32	100.24	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-5B	04/06/2012	802.64	44.50	758.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/07/2012	802.64	40.65	761.99	100.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/09/2012	802.64	40.64	762.00	100.17	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<300	<1	<1	<1	<5	<1	<1
MW-5B	06/05/2012	802.64	45.87	756.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	07/25/2012	802.64	40.97	761.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/20/2012	802.64	41.27	761.37	100.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/22/2012	802.64	41.57	761.07	100.27	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	168	<1	<1	<1	<5	<1	<1
MW-5B	09/04/2012	802.64	58.65	743.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	10/25/2012	802.64	42.07	760.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2012	802.64	40.30	762.34	100.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/06/2012	802.64	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-5B	12/12/2012	802.64	41.68	760.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/22/2013	802.64	39.45	763.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/11/2013	802.64	38.02	764.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/14/2013	802.64	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1
MW-5B	03/07/2013	802.64	45.74	756.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	04/18/2013	802.64	38.41	764.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/13/2013	802.64	39.26	763.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/16/2013	802.64	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<150	-	-	-	-	-	-
MW-5B	06/03/2013	802.64	49.96	752.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	07/26/2013	802.64	40.05	762.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-5B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-5B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-5B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-5B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	08/22/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-5B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	
MW-5B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	02/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-5B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	05/16/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
MW-5B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-5B	08/05/2013	802.64	40.12	762.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/08/2013	802.64	-	-	-	<1	<1	<1	1.04	<1	<1	<1	<1	<5	34.5 J	33.0 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-5B	09/05/2013	802.64	44.85	757.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	10/08/2013	802.64	41.79	760.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/18/2013	802.64	41.37	761.27	100.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/21/2013	802.64	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	88.4 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-5B	12/20/2013	802.64	45.08	757.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/24/2014	802.64	37.60	765.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/27/2014	802.64	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.7	<1.00	<1.00	<1	<5.00	<1	<1
MW-5B	08/05/2014	802.64	39.52	763.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/03/2014	802.64	43.02	759.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2014	802.64	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	104 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-5B	02/02/2015	802.64	42.83	759.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/18/2015	802.64	38.42	764.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/21/2015	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	56 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	08/10/2015	802.64	38.90	763.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/02/2015	802.64	39.51	763.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2015	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	170	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	02/08/2016	802.64	38.64	764.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/02/2016	802.64	37.09	765.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/04/2016	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	100	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	08/01/2016	802.64	39.05	763.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/07/2016	802.64	41.97	760.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/09/2016	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	01/23/2017	802.64	44.46	758.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/26/2017	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	100 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	05/03/2017	802.64	42.19	760.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/09/2017	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	07/31/2017	802.64	42.40	760.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/06/2017	802.64	42.15	760.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/09/2017	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	110	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	02/12/2018	802.64	37.45	765.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/14/2018	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	190	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-5B	06/11/2018	802.64	37.85	764.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-5B	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/08/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-5B	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1.2e	<1.00	<1.00	
MW-5B	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/27/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-5B	08/05/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-5B	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-5B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-5B	06/14/2018	802.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-5B	08/20/2018	802.64	35.02	767.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/23/2018	802.64	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-5B	11/07/2018	802.64	36.63	766.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/04/2019	802.64	33.35	769.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/06/2019	802.64	37.98	764.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/26/2019	802.64	39.72	762.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2019	802.64	42.16	760.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/03/2020	802.64	41.35	761.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	04/27/2020	802.64	39.47	763.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	07/27/2020	802.64	40.45	762.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/03/2020	802.64	43.33	759.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/29/2021	802.64	40.38	762.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/11/2021	802.64	39.97	762.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/09/2021	802.64	42.48	760.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/09/2021	802.64	43.05	759.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/22/2022	802.64	43.96	758.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/10/2022	802.64	41.22	761.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/22/2022	802.64	40.52	762.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/24/2022	802.64	41.95	760.69	-	0.11 J	0.15 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-5	12/01/2005	802.18	40.75	761.43	-	210	4,000	1,100	7,100	2,800	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/20/2006	802.18	39.55	762.63	-	210	4,700	950	7,600	3,300	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/12/2006	802.18	40.80	761.38	-	150	960	240	2,300	900	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/20/2006	802.18	40.97	761.21	-	170	1,900	570	3,600	1,800	-	110	110	48,000	31,000	49,000	-	-	-	-	-
MW-5	11/02/2006	802.18	41.00	761.18	-	34	130	55	690	1,000	-	53	63	18,000	5,900	19,000	-	-	-	-	-
MW-5	04/24/2007	802.18	36.94	765.24	-	6	7	15	180	37	-	1 J	3 J	320	1,500	1,300	-	-	-	-	-
MW-5	08/08/2007	802.18	41.33	760.85	-	6	4 J	39	160	63	-	2 J	3 J	1,400	1,500	4,600	-	-	-	-	-
MW-5	11/07/2007	802.18	43.04	759.14	-	6	3 J	10	32	100	-	3 J	6	700	540	3,300	-	-	-	-	-
MW-5	02/21/2008	802.18	40.83	761.35	-	3 J	4 J	21	170	31	-	<0.8	2 J	250	1,200	3,700	-	-	-	-	-
MW-5	05/15/2008	802.18	37.63	764.55	-	2 J	11	23	120	12	-	<0.8	0.9 J	1,000	710	3,800	-	-	-	-	-
MW-5	08/13/2008	802.18	40.11	762.07	-	3 J	6	49	100	16	-	<0.8	1 J	4,200	660	4,300	-	-	-	-	-
MW-5	11/19/2008	802.18	42.16	760.02	-	10	25	180	80	42	-	2 J	2 J	9,400	1,700	8,900	-	-	-	-	-
MW-5	02/10/2009	802.18	40.59	761.59	-	4.32	19.4	67.1	103	21.9	-	<2	<2	4,240	794	1,030	-	-	-	-	-
MW-5	05/18/2009	802.18	38.64	763.54	-	2.76	15.9	16.4	66.4	9.76	-	<2	<2	633	340	300	-	-	-	-	-
MW-5	08/17/2009	802.18	41.11	761.07	-	7.74	53.1	76.4	169	26.5	-	1.07	<1	7,460	2,010	1,310	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-5B	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-5B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-5B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5B	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	0.12 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080
MW-5	12/01/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/12/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/20/2006	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/02/2006	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/24/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/08/2007	2 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/07/2007	2 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/21/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/15/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/13/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/19/2008	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/10/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/18/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/17/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-5	11/23/2009	802.18	38.26	763.92	-	2.21	12.2	25.1	59.3	6.46	-	<1	<1	1,080	338	172	-	-	-	-	-
MW-5	02/17/2010	802.18	37.53	764.65	-	<2	<2	<2	9.2	4.14	-	<2	<2	125	225	141	-	-	-	-	-
MW-5	05/18/2010	802.18	38.70	763.48	-	<2	6.66	6.4	44.2	6.84	-	<2	<2	345	213	<300	-	-	-	-	-
MW-5	06/03/2010	802.18	39.25	762.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/17/2010	802.18	41.54	760.64	-	10.1	16.5	57.8	73.9	20.9	-	<2	<2	4,350	733	794	-	-	-	-	-
MW-5	11/22/2010	802.18	42.46	759.72	-	16.8	56.8	101	150.8	21.9	-	<1	1.13	1,900	2,290	2,740	-	-	-	-	-
																2,520					
MW-5	02/14/2011	802.18	43.30	758.88	-	4.80	<2	6.30	4.86	53.4	-	<2	<2	3,270	736	D1	-	-	-	-	-
MW-5	04/25/2011	802.18	36.73	765.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/28/2011	802.18	36.67	765.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/24/2011	802.18	37.20	764.98	-	4.68	<2	3.30	9.18	7.84	-	<2	<2	321	276	640	-	-	-	-	-
MW-5	08/22/2011	802.18	41.23	760.95	-	31.0	19.8	102	265.5	21.3	-	1.46	<1	6,220	2,620	8,440	-	-	-	-	-
MW-5	11/28/2011	802.18	37.42	764.76	49.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/30/2011	802.18	37.09	765.09	-	3.7	29.8	22.1	<2	4.17	10.4	<1	<1	723	722	1,560	<1	<1	31.8	<5	3.07
MW-5	12/01/2011	802.18	37.41	764.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/06/2011	802.18	37.74	764.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/07/2011	802.18	37.66	764.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/08/2011	802.18	37.44	764.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/09/2011	802.18	36.83	765.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/13/2011	802.18	36.94	765.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/19/2011	802.18	35.66	766.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/28/2011	802.18	35.12	767.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/03/2012	802.18	35.25	766.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/09/2012	802.18	35.78	766.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/16/2012	802.18	36.15	766.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/17/2012	802.18	36.06	766.12	-	33.3	1,140	643	<4	39.2	331	<2	<2	25,800	26,300	-	<2	<2	1,890	<10	145
MW-5	01/24/2012	802.18	36.55	765.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/31/2012	802.18	37.08	765.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/08/2012	802.18	37.52	764.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/15/2012	802.18	37.76	764.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/22/2012	802.18	37.53	764.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/27/2012	802.18	38.62	763.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/05/2012	802.18	38.15	764.03	49.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/07/2012	802.18	38.52	763.66	49.25	12.6	216	373	<4	33.6	148	<2	<2	11,400	8,760	10,300	<2	<2	952	<10	28.3
MW-5	04/06/2012	802.18	39.74	762.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-5	11/23/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	02/17/2010	<2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	05/18/2010	<2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	06/03/2010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	08/17/2010	3.14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	11/22/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	02/14/2011	6.46	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	05/24/2011	<2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	08/22/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	11/30/2011	<1	<1	9.83	6	<1	<1	<1	<1	<1	<1	<1	5.92	1.73	7.01	<1	2.08	<1	<1	<1	<1	
MW-5	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	01/17/2012	<2	<2	565	<250	<2	<2	<2	<2	<2	.	<2	139	134	208	22.1	28.9	<2	<2	<2	<2	
MW-5	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-5	03/07/2012	<2	<2	297	135	<2	<2	<2	<2	<2	<2	<2	65.6	39.6	140	9.26	14.9	<2	<2	<2	<2	
MW-5	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-5	05/07/2012	802.18	40.77	761.41	40.77	-	-	-	-	16.1	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/09/2012	802.18	40.65	761.53	49.22	16.4	73	89	<2	VH	93.9 VC	<1	<1	4,690	14,000	14,700	<1	<1	121	<5	7.72
MW-5	06/05/2012	802.18	39.91	762.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	07/25/2012	802.18	40.88	761.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/20/2012	802.18	41.27	760.91	49.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/21/2012	802.18	41.27	760.91	49.22	43.9	336	190	<4	65.6	168	<2	<2	8,320	17,700	53,000 AA	<2	<2	376	<10	15.1
MW-5	09/04/2012	802.18	41.18	761.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	10/25/2012	802.18	41.54	760.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/05/2012	802.18	37.21	764.97	49.26	59.3	424	396	<4	73.7	158	2.22	4.62	19,200	10,100	27,500	<2	<2	823	<10	36.5
MW-5	12/12/2012	802.18	39.15	763.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/22/2013	802.18	38.99	763.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/11/2013	802.18	36.24	765.94	49.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/12/2013	802.18	-	-	-	32	1,780	850	<2	61.5 VH	344 VC	<1	<1	82,500 QK	28,800	73,600	<1	<1	1680	<5	84.4
MW-5	03/07/2013	802.18	37.47	764.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/18/2013	802.18	38.40	763.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/13/2013	802.18	39.00	763.18	58.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/16/2013	802.18	-	-	-	28.1	401	323	1,130	44.7	239	<0.5	2.87	22,300	42,400	44,200	-	-	-	-	-
MW-5	06/03/2013	802.18	39.45	761.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	07/26/2013	802.18	39.82	762.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/05/2013	802.18	39.94	762.24	49.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/08/2013	802.18	-	-	-	41.1	1,170	525	2,243	44.4	459	<1	2.71	41,600	34,500	33,500	<1.00	<1.00	648 VH	<5.00	75.6
MW-5	09/05/2013	802.18	40.42	761.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	10/08/2013	802.18	41.41	760.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/18/2013	802.18	41.08	761.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/22/2013	802.18	-	-	-	21.9	123	121	457	16.5	198	<2	<2	5,010	5,040	6,120	<2.00	<2.00	264	<10.0	6.1
MW-5	12/20/2013	802.18	40.58	761.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/24/2014	802.18	35.97	766.21	49.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/27/2014	802.18	-	-	-	11.4	161	258	1,140	9	142	<5	<5.00	2,850	6,310	11,300	<5.00	<5.00	456	<25.0	12.9
MW-5	05/06/2014	802.18	34.08	768.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/08/2014	802.18	-	-	-	11.4	285	235	1,470	11	243	<5	<5	8,890	10,200	19,700	<5.00	<5.00	332	<25.0	19.8

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-5	05/07/2012	-	-	-	-	-	-	-	-	-	-	-	-	12.4	-	-	-	-	-	-	-	-
MW-5	05/09/2012	<1	<1	82.3	37.6	<1	<1	<1	<1	<1	<1	<1	34.6	VC	46.7	9.59	9.99	<1	<1	<1	<1	<1
MW-5	06/05/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	07/25/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/20/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/21/2012	<2	<2	149	63.8	<2	<2	<2	<2	<2	<2	<2	47.3	37.4	70.4	25.4	10.8	<2	<2	<2	<2	<2
MW-5	09/04/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	10/25/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/05/2012	<2	<2	246	32.1	<2	<2	<2	<2	<2	<2	<2	99.2	8.5	140	42.9	21.5	<2	<2	<2	<2	<2
MW-5	12/12/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/22/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/11/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/12/2013	<1	<1	458	<1	<1	<1	<1	<1	<1	<1	<1	76.3	1 VC	188	37.7	13.6	<1	1 VC	<1	<1	<1
MW-5	03/07/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/13/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/16/2013	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	-	-	<0.5	-	<0.5	<0.5
MW-5	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/08/2013	11	<1.00	395	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	84.3	26.4	155	51.4	16.7	<1	<1	<1.00	<1.00	<1.00
MW-5	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/22/2013	<2	<2.00	73.9	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	30.7	<2	37.5	15.3	6.22	<2	<2	<2.00	<2.00	<2.00
MW-5	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/27/2014	<5	<5.00	130	<5.00	<5.00	<5	<5	<5	<5	<5	<5.00	29.8	8.9	46.8	9.8	7.35	<5	<5	<5.00	<5.00	<5.00
MW-5	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/08/2014	<5	<5.00	172	<5.00	<5.00	<5	<5	<5	<5	<5	<5.00	36.6	10.5	68	13.8	7.25	<5	<5	<5.00	<5.00	<5.00



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-5	08/05/2014	802.18	39.55	762.63	-	28.3	249	377	1,550	7.05	228	<5	<5	4,970	5,250	5,560	<5.00	<5.00	466	<25.0	<5	
MW-5	11/03/2014	802.18	42.29	759.89	49.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/05/2014	802.18	-	-	-	9.55	49.9	89.8	351	<5	39.8	<5	<5	438	1,400	1,590	<5.00	<5.00	164	<25.0	<5	
MW-5	02/02/2015	802.18	41.72	760.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/04/2015	802.18	-	-	-	5.6	20	37	120	2.1	23	<0.1	0.1 J	220	1,100	740	<0.1	<0.3	76	<0.2	<0.1	
MW-5	05/18/2015	802.18	38.20	763.98	49.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/21/2015	802.18	-	-	-	13	340	270	1,900	18	190	<1.0	<1.0	7,400	10,000	12,000	<1.0	<3.0	750	<2.0	23	
MW-5	08/10/2015	802.18	38.56	763.62	49.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/12/2015	802.18	-	-	-	12	240	220	1,400	12	130	<1	<1	6,300	8,800	9,600	<1.0	<3.0	560	<2.0	17	
MW-5	11/02/2015	802.18	38.97	763.21	49.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/05/2015	802.18	-	-	-	12	190	160	1,100	13	110	<1	<1	4,400	9,900	12,000	<1.0	<3.0	430	<2.0	12	
MW-5	02/08/2016	802.18	36.53	765.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/11/2016	802.18	-	-	-	18	500	350	2,300	13	200	<2.0	<2.0	9,300	15,000	22,000	<2.0	<6.0	810	<4.0	22	
MW-5	05/02/2016	802.18	36.52	765.66	49.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/05/2016	802.18	-	-	-	13	600	420	2,900	8.4	230	<1.0	<1.0	4,300	14,000	16,000	<1.0	<3.0	960	<2.0	32	
MW-5	08/01/2016	802.18	38.52	763.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/03/2016	802.18	-	-	-	8.7	170	240	1,600	8.5	210	<1.0	<1.0	4,000	9,100	10,000	<1.0	<3.0	760	<2.0	11	
MW-5	11/07/2016	802.18	41.92	760.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/10/2016	802.18	-	-	-	8	45	100	410	5.5	99	0.1 J	<0.1	2,100	2,900	3,300	<0.1	<0.3	320	<0.2	2	
MW-5	01/23/2017	802.18	43.58	758.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/26/2017	802.18	-	-	-	21	190	330	1,800	13	200	0.4 J	0.9	2,400	11,000	7,200	<0.1	<0.3	800	<0.2	<0.1	
MW-5	04/05/2017	802.18	43.38	758.80	49.30	20	230	360	1,700	14	180	<0.5	0.9 J	3,500	-	-	-	-	830	-	<0.1	
MW-5	05/03/2017	802.18	40.69	761.49	49.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/09/2017	802.18	-	-	-	24	130	460	1,500	9.7	250	0.5 J	<0.1	1,500	10,000	8,000	<0.5	<1.5	1,100	<1.0	1.2 J	
MW-5	07/31/2017	802.18	41.28	760.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/01/2017	802.18	-	-	-	2.8	30	58	260	1 J	51	<0.5	<0.5	93	1,900	1,300	<0.5	<1.5	160	<1.0	<0.5	
MW-5	11/06/2017	802.18	41.92	760.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/09/2017	802.18	-	-	-	3.6	22	88	270	0.8	46	<0.1	<0.1	68	1,800	1,500	<0.1	<0.3	230	<0.2	<0.1	
MW-5	02/12/2018	802.18	43.40	758.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/16/2018	802.18	-	-	-	11	38	190	590	5	59	0.2 J	0.4 J	370	3300	1800	<0.1	<0.3	340	<0.2	<0.1	
MW-5	06/11/2018	802.18	36.82	765.36	49.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/14/2018	802.18	-	-	-	7	37	150	680	2.8 J	81	<1.0	<1.0	530	4100	3100	<1.0	<3.0	420	<2.0	<1.0	
MW-5	08/20/2018	802.18	35.21	766.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/24/2018	802.18	-	-	-	1.6	22	27	110	0.8	24	<0.05	<0.3	130	760	700	<0.06	<0.06	49	<0.2	1.5	
MW-5	11/07/2018	802.18	37.07	765.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-5	08/05/2014	<5	<5.00	264	<5.00	<5.00	<5	<5	<5	<5	<5	<5.00	66.1	17.1	130	45.6	14.8	<5	<5	<5.00	<5.00	
MW-5	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/05/2014	<5	<5.00	49.4	<5.00	<5.00	<5	<5	<5	<5	<5	<5.00	16.6	5.2 2d	28.4 2d	8.4 2d	<5 2d	<5	<5	<5.00	<5.00	
MW-5	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/04/2015	0.8	<0.1	19	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	11	3.6	11	4.2	2.8	<0.1	<0.1	<1.0	<0.1	
MW-5	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/21/2015	2.3 J	<1.0	190	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2	<1.0	47	21	94	20	11	<1.0	<1	<10	<1.0	
MW-5	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/12/2015	2.4 J	<1.0	160	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2	<1.0	35	13	73	22	8.2	<1.0	<1	<10	<1.0	
MW-5	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/05/2015	2.4 J	<1.0	110	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2	<1.0	36	10	52	24	8	<1.0	<1	<10	<1.0	
MW-5	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/11/2016	3.9 J	<2.0	230	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<4.0	<2.0	57	18	100	47	11	<2.0	<2.0	<20	<2.0	
MW-5	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/05/2016	2.8 J	<1.0	270	<1.0	<1.0	<8.0	<1.0	<1.0	<1.0	<2	<1.0	68	24	130	24	13	<1.0	<1.0	<10	<1.0	
MW-5	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/03/2016	2.1 J	<1.0	220	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<1.0	58	23	98	25	13	<1.0	<1.0	<10	<1.0	
MW-5	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/10/2016	1.2	<0.1	77	<0.1	<0.1	<4.0	<0.1	<0.1	<0.1	<0.2	<0.1	28	13	43	16	8.5	<0.1	<0.1	<1.0	<0.1	
MW-5	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/26/2017	3.5	<0.1	200	<0.1	<0.1	<0.4	<0.1	0.2 J	<0.1	0.2 J	<0.1	51	16	36	29	10	<0.1	<0.1	<1.0	<0.1	
MW-5	04/05/2017	3.8	-	220	-	-	<0.4	-	-	-	<0.1	-	55	13	92	24	8.8	-	<0.1	-	-	-
MW-5	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/09/2017	3.9	<0.5	280	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	61	17	100	26	9.8	<0.5	<0.1	<5.0	<0.5	
MW-5	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/01/2017	0.7 J	<0.5	50	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	8.3	3.2	17	5.2	2 J	<0.5	<0.5	<5.0	<0.5	
MW-5	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/09/2017	0.3 J	<0.1	50	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	14	5.9	25	5.9	3.6	<0.1	<0.1	<1.0	<0.1	
MW-5	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/16/2018	1.4	<0.1	59	<0.1	<0.1	<0.4	<0.1	0.1 J	<0.1	<0.2	<0.1	32	9.6	54	12	7.8	0.2 J	<0.1	<1.0	<0.1	
MW-5	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/14/2018	1.4 J	<1.0	100	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<1.0	27	9.4	51	12	6	<1.0	<1.0	<10	<1.0	
MW-5	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/24/2018	0.3 J	<0.05	11	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	8.4	2.5	12	2.2	2	<0.05	<0.05	<0.6	<0.05	
MW-5	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-5	11/09/2018	802.18	37.03	765.15	-	0.8	1.0	8.6	17	0.4 J	8.5	<0.05	<0.3	44	220	510	<0.06	<0.06	17	<0.2	<0.05
MW-5	02/04/2019	802.18	35.73	766.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/06/2019	802.18	35.83	766.35	-	1.4	2.1	16	37	0.8	15	<0.05	<0.3	140	430	320	<0.06	<0.06	36	<0.2	<0.05
MW-5	05/06/2019	802.18	35.73	766.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/10/2019	802.18	38.13	764.05	-	0.5 J	0.4 J	4.4	1.4	0.4 J	5	<0.05	<0.3	31	130	240	<0.06	<0.06	0.8	<0.2	0.1 J
MW-5	08/26/2019	802.18	39.96	762.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/29/2019	802.18	39.75	762.43	-	6.8	3.2	62	140	2.5	25	<0.3	<1.5	540	1200	2300	<0.3	<0.3	87	<1.0	1.7 J
MW-5	11/05/2019	802.18	40.53	761.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/08/2019	802.18	40.51	761.67	-	4.9	1	17	11	1.5	17	0.1 J	<0.2	110	410	1000	<0.07	<0.1	16	<0.1	0.3 J
MW-5	02/03/2020	802.18	39.58	762.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/11/2020	802.18	41.98	760.20	-	5.8	35	62	240	1.7	22	0.1 J	<0.2	200	2000	2300	<0.07	<0.1	98	<0.1	0.6
MW-5	04/27/2020	802.18	38.27	763.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/04/2020	802.18	37.24	764.94	-	4.8	31	57	290	1.3	27	0.1 J	<0.4	190	2000	2700	<0.1	<0.2	110	<0.2	0.5 J
MW-5	05/28/2020	802.18	37.78	764.40	-	1.4	5	16	49	0.5	8	<0.05	<0.2	64	410	400	<0.07	<0.1	21	<0.1	<0.06
MW-5	07/27/2020	802.18	40.04	762.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/03/2020	802.18	-	-	-	4.0	10	50	140	1.5	23	0.14 J	<0.20	130	1,600	2,700	<0.07	<0.10	72	<0.1	0.26 J
MW-5	11/03/2020	802.18	42.30	759.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/09/2020	802.18	42.51	759.67	-	1.2	0.63	3.2	8.9	0.51	4.1	<0.050	<0.20	17	100	93 J	<0.070	<0.10	3.4	<0.10	<0.060
MW-5	01/29/2021	802.18	40.89	761.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/08/2021	802.18	40.32	761.86	-	17	130	320	1200	5.2	140	0.36 J	0.33 J	1200	9500	19000	<0.070	3.9	590	0.88	2.8
MW-5	05/11/2021	802.18	39.25	762.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/18/2021	802.18	39.70	762.48	-	9.2 J	130	220	1,100	2.6 J	95	<1.0	<4.0	370	4,700	5,600	<1.4	<2.0	380	<2.0	<1.2
MW-5	08/09/2021	802.18	41.65	760.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/16/2021	802.18	41.86	760.32	-	4.9	14	47	190	1.4	27	0.11 J	<0.40	71	1,400	1,900 B	<0.14	<0.20	120	<0.20	<0.12
MW-5	11/09/2021	802.18	42.15	760.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/15/2021	802.18	-	-	-	1.7	2.4	8.8	20	0.50	9.2	<0.050	<0.20	9.1 J	170	280	<0.070	<0.10	6.7	<0.10	<0.060
MW-5	02/22/2022	802.18	43.21	758.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/03/2022	802.18	43.13	759.05	-	1.2	<0.070	1.0	0.31 J	1.3	4.6	0.055 J	<0.20	45	100	120	<0.070	<0.10	0.31 J	<0.10	<0.060
MW-5	05/10/2022	802.18	39.92	762.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/12/2022	802.18	39.62	762.56	-	2.1	1.1	18	32	0.97	15	0.075 J	<0.20	50	550	840	<0.070	<0.10	31	<0.10	0.50
MW-5	08/22/2022	802.18	39.33	762.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/29/2022	802.18	41.83	760.35	-	8.2	2.0 J	200	240	2.9	100	<0.50	<1.0	280	4100	9000	<0.50	<0.50	410	<0.50	0.59 J
MW-6	01/20/2006	801.08	43.74	757.34	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/12/2006	801.08	43.72	757.36	-	<0.5	<0.7	<0.8	<0.8	0.5 J	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/20/2006	801.08	42.53	758.55	-	0.7 J	30	13	110	1 J	-	<0.8	<0.8	12 J	440	100	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-5	11/09/2018	0.2 J	<0.05	1.8	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.05	3.5	0.9	3	0.7	1.2	<0.05	<0.05	<0.6	<0.05
MW-5	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/06/2019	0.3 J	<0.05	6.1	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	0.1 J	<0.05	5.8	1.4	6	1.9	1.7	<0.05	<0.05	<0.6	<0.05
MW-5	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/10/2019	0.2 J	<0.05	0.08 J	<0.05	<0.05	<0.09	<0.05	<0.09	0.1 J	<0.09	<0.05	2.1	0.5 J	2.1	0.6	1	<0.05	<0.05	<0.6	<0.05
MW-5	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/29/2019	1.1 J	<0.3	14	<0.3	<0.3	0.6 J	<0.3	<0.5	<0.3	<0.5	<0.3	11	2.3 J	18	3.8	2.1 J	<0.3	<0.3	<4.0	<0.3
MW-5	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/08/2019	0.7	<0.06	0.5	<0.07	<0.05	0.08 J	<0.06	<0.07	<0.09	<0.06	<0.05	5.4	1.4	5.4	1.4	1.8	<0.07	<0.06	<2.0	<0.06
MW-5	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/11/2020	0.7	<0.06	23	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	8.3	2.1	13	3	1.8	<0.07	<0.06	<2.0	<0.06
MW-5	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/04/2020	0.6 J	<0.1	26	0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	9.6	2.9	18	3.7	2	<0.1	<0.1	<4.0	<0.1
MW-5	05/28/2020	0.2 J	<0.06	4.2	<0.07	<0.05	0.1 J	<0.06	<0.07	<0.09	<0.06	<0.05	3.4	1	4.5	1	0.9	<0.07	<0.06	<2.0	<0.06
MW-5	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/03/2020	0.69 J	<0.06	12	<0.07	<0.05	1.1 J	<0.06	<0.07	<0.09	0.14 J	<0.05	6.8	1.7	11	2.3	1.5	<0.07	<0.06	<2.0	<0.06
MW-5	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/09/2020	0.23 J	<0.060*	0.6	<0.070	<0.050	0.090 J	<0.060	<0.070	<0.090	<0.060	<0.050	1.9	0.37 J	1.1	0.24 J	0.56	<0.070	<0.060	<2.0	<0.060
MW-5	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/08/2021	1.9	0.25 J	160	1.1	<0.050	0.079 J	<0.060	0.11 J	<0.090	<0.060	<0.050	40	11	74	19	7.4	<0.070	<0.060	2.8 J	<0.060
MW-5	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/18/2021	1.8 J	<1.2	95	<1.4	<1.0	<1.2	<1.2	<1.4	<1.8	<1.2	<1.0	24	6.8 J	45	7.6 J	4.1 J	<1.4	<1.2	<40	<1.2
MW-5	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/16/2021	0.77 J	<0.12	14	<0.14	<0.10	<0.12	<0.12	<0.14	<0.18	<0.12	<0.10	9.3	2.8	13	2.8	2.1	<0.14	<0.12	<4.0	<0.12
MW-5	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/15/2021	0.25 J	<0.060	1.5	<0.070	<0.050	0.077 J	<0.060	<0.070	<0.090	<0.060	<0.050	4.3	1.1	2.6	0.53	1.3	<0.070	<0.060	<2.0	<0.060
MW-5	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/03/2022	0.22 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.95	0.46 J	0.49 J	0.096 J	2.0	<0.070	<0.060	<2.0	<0.060
MW-5	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/12/2022	0.44 J	<0.060	8.8	<0.070	<0.050	0.91 J	<0.060	<0.070	<0.090	<0.060	<0.050	4.8	1.5	6.1	1.4	2.1	<0.070	<0.060	<2.0	<0.060
MW-5	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/29/2022	1.4 J	<0.50	76	<0.40	<0.40	<0.50	<0.35	<0.50	<0.45	<0.50	<0.40	29	8.2	47	11	6.8	<0.40	<1.0	<10	<0.40
MW-6	01/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/12/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/20/2006	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-6	11/02/2006	801.08	45.14	755.94	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	41 J	-	-	-	-	-
MW-6	04/23/2007	801.08	38.21	762.87	-	<0.5	<0.7	<0.8	<0.8	0.8 J	-	<0.8	<0.8	<10	<20	430	-	-	-	-	-
MW-6	08/08/2007	801.08	42.04	759.04	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	<290	-	-	-	-	-
MW-6	11/07/2007	801.08	45.90	755.18	-	<0.5	<0.7	<0.8	<0.8	0.5 J	-	<0.8	<0.8	<10	<20	49 J	-	-	-	-	-
MW-6	02/21/2008	801.08	46.84	754.24	-	<0.5	<0.7	<0.8	<0.8	0.7 J	-	<0.8	<0.8	<10	<20	89 J	-	-	-	-	-
MW-6	05/14/2008	801.08	40.72	760.36	-	<0.5	<0.7	<0.8	<0.8	0.8 J	-	<0.8	<0.8	<10	<20	55 J	-	-	-	-	-
MW-6	08/13/2008	801.08	41.44	759.64	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	110	-	-	-	-	-
MW-6	11/19/2008	801.08	44.72	756.36	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	45 J	-	-	-	-	-
MW-6	02/10/2009	801.08	43.70	757.38	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-6	05/18/2009	801.08	42.95	758.13	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-6	08/17/2009	801.08	43.55	757.53	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-6	11/23/2009	801.08	40.82	760.26	-	<1	<1	<1	<1	<1	-	<1	<1	<5	37.9	63.7	-	-	-	-	-
MW-6	02/17/2010	801.08	37.34	763.74	-	<1	<1	<1	<1	<1	-	<1	<1	<5	35.2	91.1	-	-	-	-	-
MW-6	05/18/2010	801.08	36.39	764.69	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<100	<600	-	-	-	-	-
MW-6	06/03/2010	801.08	37.43	763.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/17/2010	801.08	41.55	759.53	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-6	11/22/2010	801.08	44.49	756.59	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-6	02/14/2011	801.08	45.22	755.86	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-6	04/25/2011	801.08	38.42	762.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/28/2011	801.08	37.92	763.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/24/2011	801.08	36.90	764.18	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-6	08/22/2011	801.08	40.83	760.25	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-6	11/28/2011	801.08	37.67	763.41	59.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/30/2011	801.08	37.55	763.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/01/2011	801.08	37.55	763.53	-	<1	<1	<1	<2	<1	<1	<1	<1	5.71	<100	<150	<1	<1	<1	<5	<1
MW-6	12/06/2011	801.08	37.28	763.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/07/2011	801.08	37.17	763.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/08/2011	801.08	37.20	763.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/09/2011	801.08	37.22	763.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/13/2011	801.08	36.97	764.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/19/2011	801.08	36.57	764.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/28/2011	801.08	36.16	764.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/03/2012	801.08	36.11	764.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/09/2012	801.08	36.47	764.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/16/2012	801.08	36.81	764.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-6	11/02/2006	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	04/23/2007	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/08/2007	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/07/2007	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/21/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/14/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/13/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/19/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/10/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/18/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/17/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/23/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/17/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/18/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	06/03/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/17/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/22/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/14/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/24/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/22/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/01/2011	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
MW-6	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-6	01/17/2012	801.08	36.49	764.59	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
MW-6	01/24/2012	801.08	36.83	764.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/31/2012	801.08	37.01	764.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/08/2012	801.08	37.36	763.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/15/2012	801.08	37.53	763.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/27/2012	801.08	37.72	763.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/05/2012	801.08	38.05	763.03	58.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/07/2012	801.08	38.23	762.85	58.63	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
MW-6	04/06/2012	801.08	39.13	761.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/07/2012	801.08	40.69	760.39	58.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/08/2012	801.08	40.53	760.55	58.65	<2	<2	<2	-	<2	<2	<2	<2	<10	<100	164	<2	<2	<2	<10	<2
MW-6	06/05/2012	801.08	40.66	760.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	07/25/2012	801.08	42.19	758.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/20/2012	801.08	43.36	757.72	58.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/21/2012	801.08	43.36	757.72	58.70	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
MW-6	09/04/2012	801.08	43.34	757.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	10/25/2012	801.08	43.90	757.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/05/2012	801.08	41.20	759.88	58.70	<2	<2	<2	-	<2	<2	<2	<2	<10	<100	<152	<2	<2	<2	<10	<2
MW-6	12/12/2012	801.08	41.16	759.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/22/2013	801.08	41.39	759.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/11/2013	801.08	39.25	761.83	58.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/12/2013	801.08	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1
MW-6	03/07/2013	801.08	38.58	762.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/18/2013	801.08	38.17	764.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/13/2013	801.08	38.61	762.47	58.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/14/2013	801.08	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<154	-	-	-	-	-
MW-6	06/03/2013	801.08	39.02	763.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	07/26/2013	801.08	38.88	762.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/05/2013	801.08	39.04	763.14	58.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/06/2013	801.08	-	-	-	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	<150	<2.00	<2.00	<2	<10.0	<2
MW-6	09/05/2013	801.08	39.59	761.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	10/08/2013	801.08	40.73	760.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/18/2013	801.08	41.18	759.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/21/2013	801.08	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.7	<1.00	<1.00	<1	<5.00	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)		
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5		
MW-6	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 C	<1	<1	<1	<1	<1	<1	<1	<1	
MW-6	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-6	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-6	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-6	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-6	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	1 VC	<1	<1	<1	
MW-6	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	.	<0.5	.
MW-6	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	
MW-6	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-6	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.2e	<1.00	<1.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-6	12/20/2013	801.08	41.42	759.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/24/2014	801.08	36.79	764.29	58.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/25/2014	801.08	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.4	<1.00	<1.00	<1	<5.00	<1	-
MW-6	08/05/2014	801.08	36.80	764.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/03/2014	801.08	41.15	759.93	58.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/04/2014	801.08	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	28.0 J	<1.00	<1.00	<1	<5.00	<1	-
MW-6	02/02/2015	801.08	41.58	759.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/18/2015	801.08	40.31	760.77	58.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/19/2015	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	08/10/2015	801.08	40.51	760.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/02/2015	801.08	41.52	759.56	58.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/03/2015	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	02/08/2016	801.08	40.46	760.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/02/2016	801.08	40.14	760.94	58.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/05/2016	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<4.0	<20	59 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	08/01/2016	801.08	42.66	758.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/07/2016	801.08	44.22	756.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/09/2016	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	01/23/2017	801.08	45.43	755.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/25/2017	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	05/03/2017	801.08	43.52	757.56	58.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/05/2017	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	07/31/2017	801.08	43.42	757.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/06/2017	801.08	45.31	755.77	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.3	-	<0.2	-	-
MW-6	11/07/2017	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	-	-	<0.1	-	<0.1	-
MW-6	02/12/2018	801.08	47.38	753.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/14/2018	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	06/11/2018	801.08	39.85	761.23	58.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	06/11/2018	801.08	-	-	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-6	08/20/2018	801.08	35.17	765.91	58.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/21/2018	801.08	-	-	-	<0.05	<0.05	<0.05	<0.08	2.5	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-6	11/07/2018	801.08	34.15	766.93	-	<0.05	<0.05	<0.05	<0.08	1.0	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-6	02/04/2019	801.08	32.10	768.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/05/2019	801.08	31.99	769.09	-	<0.05	<0.05	<0.05	<0.08	0.8	<0.09	<0.05	<0.3	<1.6	12 J	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-6	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-6	08/05/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-6	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/05/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/06/2017	-	<0.1	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	<1.0	<0.1
MW-6	11/07/2017	<0.1	-	<0.1	-	-	<0.4	<0.1	<0.1	<0.1	<0.2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	
MW-6	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	06/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-6	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-6	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-6	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/05/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-6	05/06/2019	801.08	33.65	767.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/09/2019	801.08	33.89	767.19	-	<0.05	0.1 J	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-6	08/26/2019	801.08	37.20	763.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	08/28/2019	801.08	37.22	763.86	-	<0.05	<0.05	<0.05	<0.1	0.5 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-6	11/05/2019	801.08	39.82	761.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	11/06/2019	801.08	39.93	761.15	-	<0.05	<0.07	<0.06	<0.2	0.5	0.1 J	<0.05	<0.2	2.4 J	<23	<48	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-6	02/03/2020	801.08	40.09	760.99	-	<0.05	<0.07	<0.06	<0.2	0.6	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-6	04/27/2020	801.08	38.77	761.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	04/29/2020	801.08	38.70	762.38	-	<0.05	<0.07	<0.06	<0.2	0.8	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-6	07/27/2020	801.08	39.04	762.04	-	<0.05	<0.07	<0.06	<0.15	0.58	<0.05	<0.05	<0.20	<1.1	<23	<60	<0.07	<0.10	<0.06	<0.1	<0.06	
MW-6	11/03/2020	801.08	42.54	758.54	-	<0.050	<0.070	<0.060	<0.15	0.5	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	01/29/2021	801.08	44.22	756.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	02/04/2021	801.08	44.38	756.70	-	<0.050	<0.070	<0.060	<0.15	0.6	<0.050	<0.050	<0.20	<1.1	<23	<60	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	05/11/2021	801.08	38.77	762.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	05/12/2021	801.08	38.78	762.30	-	0.12 J	<0.070	<0.060	<0.15	1.1	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	08/09/2021	801.08	41.02	760.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	08/10/2021	801.08	41.03	760.05	-	<0.050	0.26 J	<0.060	<0.15	0.68	<0.050	<0.050	<0.20	<1.1	<23	88 J	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	11/09/2021	801.08	42.63	758.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	11/10/2021	801.08	42.62	758.46	-	<0.050	<0.070	<0.060	<0.15	0.55	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	02/22/2022	801.08	45.50	755.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	02/23/2022	801.08	45.50	755.58	-	<0.050	<0.070	<0.060	<0.15	0.45 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	05/10/2022	801.08	43.13	757.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	05/11/2022	801.08	43.15	757.93	-	<0.050	<0.070	<0.060	<0.15	0.61	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-6	08/22/2022	801.08	44.22	756.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-6	08/24/2022	801.08	44.41	756.67	-	<0.10	<0.080	<0.080	<0.070	0.48 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-7A	09/20/2006	796.66	44.58	752.08	-	9 J	<7	<8	<8	9,500	-	61	290	3,200	16,000	650	-	-	-	-	-	
MW-7A	11/02/2006	796.66	44.59	752.07	-	33 J	<7	<8	11 J	15,000	-	78	440	4,100	21,000	690	-	-	-	-	-	
MW-7A	04/24/2007	796.66	40.55	756.11	-	3 J	<4	<4	<4	6,900	-	44	210	1,600	8,900	510	-	-	-	-	-	
MW-7A	08/09/2007	796.66	43.40	753.26	-	8 J	<4	<4	<4	8,500	-	35	220	1,800	11,000	260	-	-	-	-	-	
MW-7A	11/08/2007	796.66	45.56	751.10	-	15 J	<14	<16	<16	15,000	-	87 J	400	4,100	19,000	760	-	-	-	-	-	
MW-7A	02/22/2008	796.66	45.51	751.15	-	18 J	<7	<8	<8	18,000	-	85	490	5,800	23,000	850	-	-	-	-	-	
MW-7A	05/15/2008	796.66	41.94	754.72	-	5 J	<7	<8	<8	10,000	-	61	290	3,000	7,400	460	-	-	-	-	-	
MW-7A	08/14/2008	796.66	42.65	754.01	-	5 J	<4	<4	<4	7,800	-	42	200	1,600	1,600	420	-	-	-	-	-	
MW-7A	11/21/2008	796.66	45.03	751.63	-	<10	<14	<16	<16	13,000	-	47 J	290	3,100	10,000	480	-	-	-	-	-	
MW-7A	02/12/2009	796.66	43.79	752.87	-	7.6	<2	<2	3.12	9,800	-	70.7	443	5,000	582	440	-	-	-	-	-	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-6	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/09/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-6	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/28/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	
MW-6	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/06/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-6	02/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-6	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/29/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	0.2 J	
MW-6	07/27/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	0.075 J	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-6	11/03/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/04/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.054 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/23/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/11/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-6	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	0.20 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	0.31 J	<2.0	<0.080	
MW-7A	09/20/2006	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/02/2006	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/24/2007	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/09/2007	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/08/2007	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/22/2008	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/15/2008	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/14/2008	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/21/2008	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/12/2009	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7A	05/19/2009	796.66	42.70	753.96	-	5.24	<2	<2	<2	11,900	-	72	267	3,760	716	316	-	-	-	-	-
MW-7A	08/18/2009	796.66	43.65	753.01	-	5.06	<2	<2	<2	12,300	-	61.0	307	3,760	1,150	<40	-	-	-	-	-
MW-7A	11/24/2009	796.66	42.05	754.61	-	<2	<2	<2	<2	8,110	-	50.1	205	2,060	1,610	216 J	-	-	-	-	-
MW-7A	02/18/2010	796.66	39.98	756.68	-	2.58	<2	<2	<2	6,240	-	44.4	191	1,960	125	146	-	-	-	-	-
MW-7A	05/20/2010	796.66	40.72	755.94	-	<2	<2	<2	<2	5,820	-	57.4	2,380	15,700	1,020	<300	-	-	-	-	-
MW-7A	06/03/2010	796.66	41.39	755.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/19/2010	796.66	43.93	752.73	-	1.47	<1	<1	<1	8,130	-	39.6	386	5,690	1,130	169	-	-	-	-	-
MW-7A	11/24/2010	796.66	45.53	751.13	-	4.28	<2	<2	<2	11,100	-	63.5	216	4,120	1,230	391	-	-	-	-	-
MW-7A	02/17/2011	796.66	46.36	750.30	-	4.04	<2	<2	3.00	10,500	-	59.1	307	5,170	1,070	<150	-	-	-	-	-
MW-7A	04/25/2011	796.66	41.01	755.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/28/2011	796.66	48.19	748.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/26/2011	796.66	40.04	756.62	-	<2	<2	<2	<2	4,770	-	29.1	122	1,180	1,060	181	-	-	-	-	-
MW-7A	08/25/2011	796.66	43.31	753.35	-	<1	<1	<1	<1	6,030	-	17.3	76.9	2,050	1,000	<150	-	-	-	-	-
MW-7A	11/28/2011	796.66	40.40	756.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/30/2011	796.66	40.82	755.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/01/2011	796.66	44.68	751.98	-	2.15	<1	<1	<2	3,470	<1	23.2	82.8	2,860	735	180	<1	<1	<1	<5	<1
MW-7A	12/06/2011	796.66	41.07	755.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/07/2011	796.66	46.73	749.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/08/2011	796.66	47.67	748.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/09/2011	796.66	42.53	754.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/13/2011	796.66	40.69	755.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/19/2011	796.66	47.63	749.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	12/28/2011	796.66	41.97	754.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/03/2012	796.66	47.18	749.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/09/2012	796.66	47.22	749.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/16/2012	796.66	47.53	749.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/19/2012	796.66	44.45	752.21	-	<2	<2	<2	<4	1,600	<2	<2	44.8	1,190	658	<152	<2	<2	<2	<10	<2
MW-7A	01/24/2012	796.66	47.19	749.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/31/2012	796.66	45.79	750.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/08/2012	796.66	47.23	749.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/15/2012	796.66	47.15	749.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/22/2012	796.66	47.02	749.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/27/2012	796.66	45.89	750.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	03/05/2012	796.66	47.22	749.44	64.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	03/09/2012	796.66	47.21	749.45	-	<2	<2	<2	<4	1,460	<2	10.2	39.6	970	508	<153	<2	<2	<2	<10	<2



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7A	05/19/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/18/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/24/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/18/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	05/20/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	06/03/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/19/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/24/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/17/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	04/25/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	04/28/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	05/26/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/25/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/28/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/30/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/01/2011	<	<	<	<	<	<	<	<	<	<	<	2.58	<	<	<	1.37	<	<	<	<	
MW-7A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/19/2012	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-7A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	03/05/2012	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-7A	03/09/2012	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7A	04/06/2012	796.66	45.13	751.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/07/2012	796.66	46.80	749.86	71.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/10/2012	796.66	46.62	750.04	64.25	<1	<1	<1	<2	357 VH	<1	VH	VH	282	114	<152	<1	<1	<1	<5	<1
MW-7A	06/05/2012	796.66	45.91	750.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	07/25/2012	796.66	47.04	749.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/20/2012	796.66	46.96	749.70	64.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/23/2012	796.66	-	-	-	<1	<1	<1	<2	540	<1	3.86	14.5	526	<100	<150	<1	<1	<1	<5	<1
MW-7A	09/04/2012	796.66	47.10	749.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	10/25/2012	796.66	46.64	750.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/05/2012	796.66	45.97	750.69	64.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/08/2012	796.66	-	-	-	<2	<2	<2	<4	581	<2	<2	VH	388	<100	<150	<2	<2	<2	<10	<2
MW-7A	12/12/2012	796.66	44.56	752.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/22/2013	796.66	44.80	751.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/11/2013	796.66	43.42	753.24	64.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/14/2013	796.66	-	-	-	<1	<1	<1	<2	234 QK	<1	<1	4.34	101	<100	<152	<1	<1	<1	<5	<1
MW-7A	03/07/2013	796.66	43.38	753.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/18/2013	796.66	43.46	753.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/13/2013	796.66	43.58	753.08	64.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/16/2013	796.66	-	-	-	<0.5	0.6	<0.5	3.11	165	1.38	2.11	2.6	77.4	300	<150	-	-	-	-	-
MW-7A	06/03/2013	796.66	43.44	753.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	07/26/2013	796.66	44.18	752.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/05/2013	796.66	44.12	752.54	64.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/08/2013	796.66	-	-	-	<1	<1	<1	4.09	232	22.2	1.89	3.58	400	226	<150	<1.00	<1.00	2.58 VH	<5.00	<1
MW-7A	09/05/2013	796.66	44.55	752.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	10/08/2013	796.66	45.05	751.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/18/2013	796.66	44.98	751.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/22/2013	796.66	-	-	-	<1	<1	<1	<2	249	<1	3.58	5.08	217	256	<27.4	<1.00	<1.00	<1	<5.00	<1
MW-7A	12/20/2013	796.66	44.77	751.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	01/23/2014	796.66	42.91	753.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/10/2014	796.66	40.62	756.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-7A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-7A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-7A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-7A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	05/16/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	.	<0.5	.	<0.5
MW-7A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	08/08/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	11/22/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-7A	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7A	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-7A	02/24/2014	796.66	43.45	753.21	64.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/27/2014	796.66	-	-	-	<1	<1	<1	<2	73.4	<1	<1	<1	<5	123	32.5 J	<1.00	<1.00	<1	<5.00	<1	-
MW-7A	03/11/2014	796.66	39.22	757.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	03/21/2014	796.66	35.86	760.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/04/2014	796.66	38.47	758.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/21/2014	796.66	42.98	753.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/06/2014	796.66	37.38	759.28	64.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/08/2014	796.66	-	-	-	<1	<1	<1	<2	38.8	<1	<1	<1	<5	57.8 J	<23.4	<1.00	<1.00	<1	<5.00	<1	-
MW-7A	05/22/2014	796.66	42.36	754.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	06/09/2014	796.66	38.45	758.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	06/23/2014	796.66	43.63	753.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	07/10/2014	796.66	40.60	756.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/07/2014	796.66	41.63	755.03	-	<1	<1	<1	<2	11.5	<1	<1	<1	<5	<13	<24.1	<1.00	<1.00	<1	<5.00	<1	-
MW-7A	11/03/2014	796.66	44.55	752.11	64.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/06/2014	796.66	-	-	-	<1	<1	<1	<2	63.2	<1	<1	1.07	10.4	45.9 J	51.2 J	<1.00	<1.00	<1	<5.00	<1	-
MW-7A	02/02/2015	796.66	44.87	751.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/05/2015	796.66	-	-	-	0.2 J	<0.1	<0.1	<0.1	210	<0.1	1.3	4.6	120	230	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	03/19/2015	796.66	45.44	751.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/08/2015	796.66	46.84	749.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/18/2015	796.66	46.58	750.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/21/2015	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	67	<0.1	0.6	1.4	43	67	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	08/10/2015	796.66	46.87	749.79	64.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/12/2015	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	62	<0.1	0.6	1.4	44	80	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	11/02/2015	796.66	47.37	749.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/05/2015	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	41	<0.1	0.3 J	0.7	27	69	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	02/08/2016	796.66	45.73	750.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/11/2016	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	1.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	05/02/2016	796.66	40.17	756.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/03/2016	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	08/01/2016	796.66	46.35	750.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/03/2016	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	11/07/2016	796.66	45.02	751.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/10/2016	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	8.4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-7A	01/23/2017	796.66	46.16	750.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7A	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/27/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7A	03/11/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	03/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/04/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7A	05/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	06/09/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	06/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	07/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.5	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<1.0	<0.1	
MW-7A	03/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	04/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	
MW-7A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-7A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7A	01/26/2017	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	23	<0.1	0.2 J	0.4 J	<4.0	21 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7A	05/03/2017	796.66	44.44	752.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/09/2017	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	4.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7A	07/31/2017	796.66	43.90	752.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/02/2017	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	3.9	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7A	11/06/2017	796.66	44.59	752.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/09/2017	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	42 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7A	02/12/2018	796.66	45.89	750.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/14/2018	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	2.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7A	06/11/2018	796.66	40.46	756.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	06/14/2018	796.66	-	-	-	<0.1	<0.1	<0.1	<0.1	1.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7A	08/20/2018	796.66	37.60	759.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/23/2018	796.66	-	-	-	<0.05	<0.05	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7A	11/07/2018	796.66	39.19	757.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/08/2018	796.66	39.49	757.17	-	<0.05	<0.05	<0.05	<0.08	1.2	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7A	02/04/2019	796.66	37.84	758.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/06/2019	796.66	37.85	758.81	-	<0.05	<0.05	<0.05	<0.08	0.5 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7A	05/06/2019	796.66	40.07	756.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/09/2019	796.66	40.37	756.29	-	<0.05	0.2 J	<0.05	<0.08	1.1	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7A	08/26/2019	796.66	42.30	754.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/28/2019	796.66	42.25	754.41	-	<0.05	<0.05	<0.05	<0.1	0.7	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7A	11/05/2019	796.66	43.75	752.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/07/2019	796.66	43.82	752.84	-	<0.05	<0.07	<0.06	<0.2	1.4	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-7A	02/03/2020	796.66	43.35	753.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/10/2020	796.66	43.15	753.51	-	<0.05	<0.07	<0.06	<0.2	1.6	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-7A	04/27/2020	796.66	41.85	754.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/04/2020	796.66	41.35	755.31	-	<0.05	<0.07	<0.06	<0.2	2.0	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-7A	07/27/2020	796.66	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	07/31/2020	796.66	42.58	754.08	-	<0.05	<0.07	<0.06	<0.15	0.58	<0.05	<0.05	<0.20	<1.1	<23	72 J	<0.07	<0.10	<0.06	<0.1	<0.06
MW-7A	11/03/2020	796.66	45.22	751.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/06/2020	796.66	45.38	751.28	-	<0.050	<0.070	<0.060	<0.15	1.1	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7A	01/29/2021	796.66	43.94	752.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/11/2021	796.66	41.97	754.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/17/2021	796.66	42.22	754.44	-	<0.050	<0.070	<0.060	<0.15	0.33 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7A	08/09/2021	796.66	44.18	752.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7A	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-7A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-7A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-7A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-7A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.1 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-7A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.2 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-7A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.3 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-7A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/08/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.2 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	0.05 J	<0.6	<0.05
MW-7A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/06/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.6	0.09 J	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-7A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/09/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.2 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-7A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/28/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.4 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
MW-7A	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/07/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.5 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-7A	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/10/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.3 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.1 J	<2.0	<0.06	
MW-7A	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/04/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.2 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.2 J	<2.0	<0.06	
MW-7A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	07/31/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.32 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-7A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/06/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.36 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.13 J	<2.0	<0.060	
MW-7A	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/17/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.40 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-7A	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7A	08/12/2021	796.66	44.25	752.41	-	<0.050	<0.070	<0.060	<0.15	0.50	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7A	11/09/2021	796.66	45.43	751.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/11/2021	796.66	45.48	751.18	-	<0.050	<0.070	<0.060	<0.15	0.74	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7A	02/22/2022	796.66	46.17	750.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/28/2022	796.66	46.21	750.45	-	<0.050	<0.070	<0.060	<0.15	0.53	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7A	05/10/2022	796.66	44.12	752.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/12/2022	796.66	43.90	752.76	-	<0.050	<0.070	<0.060	<0.15	0.99	<0.050	<0.050	<0.20	<1.1	<23	<55	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7A	08/22/2022	796.66	43.79	752.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/29/2022	796.66	44.30	752.36	-	<0.10	<0.080	<0.080	<0.070	0.72	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-7B	09/20/2006	796.64	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/02/2006	796.64	84.88	711.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/23/2007	796.64	40.29	756.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/01/2007	796.64	-	-	-	<1	<1	<2	<2	3,500	-	18	78	210	5,200	270	-	-	-	-	-
MW-7B	05/02/2007	796.64	-	-	-	<1	<1	<2	<2	2,700	-	12	56	170	3,700	430	-	-	-	-	-
MW-7B	08/09/2007	796.64	42.20	754.44	-	2 J	3 J	<0.8	1 J	2,200	-	11	60	230	3,000	480	-	-	-	-	-
MW-7B	11/08/2007	796.64	45.48	751.16	-	1 J	<2	<2	<2	1,400	-	8 J	36	150 J	1,900	550	-	-	-	-	-
MW-7B	02/22/2008	796.64	45.88	750.76	-	1 J	0.7 J	<0.8	3 J	1,100	-	5	29	230	1,700	500	-	-	-	-	-
MW-7B	05/15/2008	796.64	41.32	755.32	-	1 J	<1	<2	2 J	1,100	-	7 J	28	200	890	390	-	-	-	-	-
MW-7B	08/14/2008	796.64	51.83	744.81	-	5 J	<4	<4	<4	3,700	-	19 J	92	1,400	870	490	-	-	-	-	-
MW-7B	11/21/2008	796.64	44.89	751.75	-	<3	6 J	7 J	30	2,300	-	9 J	53	990	2,300	800	-	-	-	-	-
MW-7B	02/12/2009	796.64	43.24	753.40	-	2.78	3.6	4.4	16.1	2,600	-	17.1	75.6	1,690	352	<40	-	-	-	-	-
MW-7B	05/19/2009	796.64	43.13	753.51	-	2.24	<2	2.04	6.96	2,360	-	15.4	77.3	414	485	412	-	-	-	-	-
MW-7B	08/18/2009	796.64	43.29	753.35	-	<2	<2	<2	<2	3,250	-	13.9	64.1	<500	645	<40	-	-	-	-	-
MW-7B	11/24/2009	796.64	42.55	754.09	-	<2	<2	<2	<2	1,070	-	6.02	27.1	605	867	230	-	-	-	-	-
MW-7B	02/18/2010	796.64	38.20	758.44	-	<2	<2	<2	<2	1,270	-	6.6	30	624	85.1	288	-	-	-	-	-
MW-7B	05/20/2010	796.64	35.72	760.92	-	<2	<2	<2	<2	206	-	<2	6.9	205	171	<300	-	-	-	-	-
MW-7B	06/03/2010	796.64	39.40	757.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/19/2010	796.64	42.87	753.77	-	<1	<1	<1	<1	119	-	<1	2.67	65.8	131	348	-	-	-	-	-
MW-7B	11/23/2010	796.64	45.08	751.56	-	<1	<1	<1	<1	113	-	<1	2.02	58.6	<100	215	-	-	-	-	-
MW-7B	02/17/2011	796.64	45.37	751.27	-	<1	<1	<1	<1	240	-	1.21	5.60	106	136	266	-	-	-	-	-
MW-7B	04/25/2011	796.64	36.48	760.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/28/2011	796.64	36.70	759.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/26/2011	796.64	37.32	759.32	-	<1	<1	<1	<1	106	-	<1	2.63	51.8	152	386	-	-	-	-	-
MW-7B	08/25/2011	796.64	41.67	754.97	-	<2	<2	<2	<2	160	-	<2	3.70	56.0	171	715	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-7A	08/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.32 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-7A	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	11/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.39 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-7A	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	02/28/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.30 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-7A	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.44 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-7A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7A	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	0.27 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080
MW-7B	09/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/02/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/23/2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/01/2007	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/02/2007	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/09/2007	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/08/2007	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/22/2008	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/15/2008	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/14/2008	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/21/2008	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/12/2009	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/19/2009	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/18/2009	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/24/2009	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/18/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/20/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	06/03/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/19/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/23/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/17/2011	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/26/2011	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/25/2011	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7B	11/28/2011	796.64	21.87	774.77	-	1.3	<1	<1	<2	1,050	<1	3.65	17.3	214	104 MS	<156	<1	<1	<1	<5	<1
MW-7B	12/01/2011	796.64	13.60	783.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/06/2011	796.64	16.54	780.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/07/2011	796.64	0.15	796.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/08/2011	796.64	0.15	796.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/09/2011	796.64	0.15	796.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/13/2011	796.64	3.46	793.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/19/2011	796.64	7.06	789.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	12/28/2011	796.64	0.8	795.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/03/2012	796.64	1.10	795.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/09/2012	796.64	3.95	792.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/16/2012	796.64	2.52	794.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/20/2012	796.64	1.70	794.94	-	<2	<2	<2	<4	130	<2	<2	<2	<10	<100	569	<2	<2	<2	<10	<2
MW-7B	01/24/2012	796.64	0.15	796.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/31/2012	796.64	2.30	794.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/08/2012	796.64	5.92	790.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/15/2012	796.64	84.90	711.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/22/2012	796.64	79.18	717.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/27/2012	796.64	75.68	720.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	03/05/2012	796.64	71.68	724.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	03/08/2012	796.64	69.89	726.75	-	<1	<1	<1	<2	82.8	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-7B	04/06/2012	796.64	59.50	737.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/11/2012	796.64	52.84	743.80	100.42	<1	<1	<1	<2	VH	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1
MW-7B	06/05/2012	796.64	50.58	746.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	07/25/2012	796.64	46.90	749.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/20/2012	796.64	46.25	750.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/22/2012	796.64	46.08	750.56	-	1.21	<1	<1	<2	71.4	<1	<1	1.42	21.9	<100	<154	<1	<1	<1	<5	<1
MW-7B	09/04/2012	796.64	47.65	748.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	10/25/2012	796.64	46.32	750.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/05/2012	796.64	45.92	750.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/08/2012	796.64	45.52	751.12	100.36	6.64	<1	<1	<2	434	<1	<1	5.41	VH	<100	<150	<1	<1	<1	<5	<1
MW-7B	12/12/2012	796.64	19.65	776.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/22/2013	796.64	31.85	764.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/11/2013	796.64	44.45	752.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7B	11/28/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-7B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/20/2012	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
MW-7B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-7B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	
MW-7B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	08/22/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-7B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-7B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7B	02/13/2013	796.64	43.70	752.94	-	8.44	<1	<1	<2	706 QK	<1	3.38	15.6	329	<100	<150	<1	<1	1 VC	<5	<1
MW-7B	03/07/2013	796.64	42.98	753.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/18/2013	796.64	42.11	754.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/13/2013	796.64	42.04	754.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/16/2013	796.64	42.06	754.58	-	5.51	<1	<1	<2	357	<1	<1	6.74	146	340	<160	<1	<1	<1	<5	<1
MW-7B	06/03/2013	796.64	41.05	755.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	07/26/2013	796.64	41.84	754.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/05/2013	796.64	42.15	754.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/07/2013	796.64	42.24	754.40	-	6.56	<2	<2	<4	423	<2	<2	11.1	528	416	269	<2.00	<2.00	<2	<10.0	<2
MW-7B	09/05/2013	796.64	44.35	752.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/18/2013	796.64	43.78	752.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/21/2013	796.64	44.01	752.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/21/2013	796.64	43.82	752.82	-	6.48	<1	<1	<2	417	<1	2.47	9.19	239	323	308	<1.00	<1.00	<1	<5.00	<1
MW-7B	12/20/2013	796.64	45.72	750.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/23/2014	796.64	44.01	752.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	03/21/2014	796.64	43.12	753.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/21/2014	796.64	37.98	758.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/06/2014	796.64	38.08	758.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/09/2014	796.64	37.99	758.65	-	2.03	<1	<1	<2	182	<1	<1	<1	<5	286	774	<1.00	<1.00	<1	<5.00	<1
MW-7B	05/22/2014	796.64	40.62	756.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	06/09/2014	796.64	39.85	756.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	06/23/2014	796.64	39.97	756.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	07/10/2014	796.64	40.12	756.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/07/2014	796.64	40.72	755.92	-	1.72	<1	<1	<2	174	<1	<1	4.15	83.6	23.8 J	661	<1.00	<1.00	<1	<5.00	<1
MW-7B	11/03/2014	796.64	42.45	754.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/05/2014	796.64	42.51	754.13	-	1.75	<1	<1	<2	139	<1	<1	3.51	50.1	132	230	<1.00	<1.00	<1	<5.00	<1
MW-7B	03/19/2015	796.64	43.63	753.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	04/08/2015	796.64	41.35	755.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/18/2015	796.64	41.92	754.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/21/2015	796.64	42.93	753.71	-	1.2 J	<0.5	<0.5	<0.5	210	<0.5	0.9 J	4.5	81	190	150	<0.5	<1.5	<0.5	<1.0	<0.5
MW-7B	08/10/2015	796.64	43.84	752.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/12/2015	796.64	43.84	752.80	-	1.1 J	<0.5	<0.5	<0.5	150	<0.5	0.6 J	2.9	78	190	130	<0.5	<1.5	<0.5	<1.0	<0.5
MW-7B	11/02/2015	796.64	44.93	751.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/06/2015	796.64	44.90	751.74	-	1	<0.2	<0.2	<0.2	170	<0.2	0.7 J	3.5	70	210	180	<0.2	<0.6	<0.2	<0.4	<0.2
MW-7B	03/09/2016	796.64	41.29	755.35	-	1 J	<0.5	<0.5	<0.5	160	<0.5	<0.5	2.5	120	210	70 J	<0.5	<1.5	<0.5	<1.0	<0.5



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7B	02/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	<1
MW-7B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/16/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-7B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	08/07/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-7B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/21/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.2e	<1.00	<1.00
MW-7B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/09/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7B	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	06/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	08/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<10	<1	<1.2e	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-7B	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	05/21/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
MW-7B	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	08/12/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
MW-7B	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-7B	11/06/2015	0.4 J	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2	
MW-7B	03/09/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7B	05/02/2016	796.64	44.48	752.16	-	<0.1	<0.1	<0.1	<0.1	7.9	<0.1	<0.1	<0.1	<4.0	<20	150	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	05/05/2016	796.64	41.00	755.64	120	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	08/01/2016	796.64	42.60	754.04	-	0.1 J	<0.1	<0.1	<0.1	25	<0.1	<0.1	0.4 J	9.3 J	31 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	08/03/2016	796.64	42.55	754.09	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	11/07/2016	796.64	44.40	752.24	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	11/11/2016	796.64	44.33	752.31	-	<0.1	<0.1	<0.1	<0.1	11	<0.1	<0.1	0.2 J	5.8 J	<20	110	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	01/23/2017	796.64	41.99	754.65	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	<20	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	01/26/2017	796.64	41.14	755.50	-	<0.1	<0.1	<0.1	<0.1	4.4	<0.1	<0.1	<0.1	<4.0	<20	170	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	05/03/2017	796.64	38.25	758.39	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	05/08/2017	796.64	37.95	758.69	-	<0.1	<0.1	<0.1	<0.1	3.7	<0.1	<0.1	<0.1	<4.0	<20	230	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	07/31/2017	796.64	40.08	756.56	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	08/03/2017	796.64	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	430	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	11/06/2017	796.64	43.25	753.39	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	<20	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	11/13/2017	796.64	43.35	753.29	-	<0.1	<0.1	<0.1	<0.1	2.0	<0.1	<0.1	<0.1	<4.0	<20	260	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	02/12/2018	796.64	42.50	754.14	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	02/15/2018	796.64	42.93	753.71	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	380	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	06/11/2018	796.64	40.78	755.86	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	06/18/2018	796.64	40.65	755.99	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	600	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	08/20/2018	796.64	38.64	758.00	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	08/22/2018	796.64	38.53	758.11	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	12 J	510	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7B	11/07/2018	796.64	40.97	755.67	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	710	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7B	02/04/2019	796.64	37.64	759.00	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	02/07/2019	796.64	37.70	758.94	-	<0.5	<0.5	<0.5	<0.8	<0.5	<0.9	<0.5	<3.0	<16	<11	160	<0.6	<0.6	<0.5	<2.0	<0.5
MW-7B	05/06/2019	796.64	40.00	756.64	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	05/07/2019	796.64	40.00	756.64	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	280	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7B	08/26/2019	796.64	41.25	755.39	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	08/27/2019	796.64	41.37	755.27	-	<0.05	<0.05	<0.05	<0.1	<0.05	<0.09	<0.05	<0.3	<1.6	13 J	370	<0.06	<0.06	<0.05	<0.2	<0.05
MW-7B	11/05/2019	796.64	40.83	755.81	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	11/08/2019	796.64	40.77	755.87	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	520	<0.07	<0.1	<0.06	<0.1	<0.06
MW-7B	02/03/2020	796.64	40.00	756.64	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	02/05/2020	796.64	39.54	757.10	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	190	<0.07	<0.1	<0.06	<0.1	<0.06
MW-7B	04/27/2020	796.64	41.53	755.11	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	05/04/2020	796.64	40.70	755.94	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	300	<0.07	<0.1	<0.06	<0.1	<0.06
MW-7B	07/27/2020	796.64	28.87	767.77	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<4.0	-	-	<0.1	<0.3	<0.1	<0.2	<0.1
MW-7B	07/30/2020	796.64	28.91	767.73	-	<0.05	0.16 J	<0.06	<0.15	<0.05	<0.05	<0.05	<0.20	<1.1	<23	210	<0.07	<0.10	<0.06	<0.1	<0.06

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/03/2016	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/13/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	06/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-7B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-7B	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-7B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/07/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5	
MW-7B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/07/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-7B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	
MW-7B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/08/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-7B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	02/05/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-7B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/04/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-7B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	07/30/2020	<0.05	<0.06	<0.06	<0.07	<0.05	0.12 J	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-7B	11/03/2020	796.64	40.11	756.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/06/2020	796.64	40.40	756.24	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	120	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7B	01/29/2021	796.64	43.07	753.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/11/2021	796.64	37.57	759.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/17/2021	796.64	37.52	759.12	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	180	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7B	08/09/2021	796.64	39.95	756.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/12/2021	796.64	39.73	756.91	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	180	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7B	02/22/2022	796.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/10/2022	796.64	38.14	758.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/12/2022	796.64	38.55	758.09	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-7B	08/22/2022	796.64	39.22	757.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/29/2022	796.64	42.53	754.11	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	110	<0.10	<0.10	<0.080	<0.10	<0.080
MW-8A	09/20/2006	793.10	42.01	751.09	-	<0.5	<0.7	<0.8	<0.8	7	-	<0.8	0.9 J	<10	<20	380	-	-	-	-	-
MW-8A	11/02/2006	793.10	42.13	750.97	-	<0.5	<0.7	<0.8	<0.8	5 J	-	<0.8	<0.8	<10	<20	330	-	-	-	-	-
MW-8A	04/24/2007	793.10	38.51	754.59	-	<0.5	<0.7	<0.8	<0.8	4 J	-	<0.8	<0.8	<10	<20	210	-	-	-	-	-
MW-8A	08/09/2007	793.10	41.33	751.77	-	<0.5	<0.7	<0.8	<0.8	0.9 J	-	<0.8	<0.8	<10	<20	1,800	-	-	-	-	-
MW-8A	11/08/2007	793.10	42.98	750.12	-	<0.5	<0.7	<0.8	<0.8	4 J	-	<0.8	<0.8	<10	<20	340	-	-	-	-	-
MW-8A	02/21/2008	793.10	42.25	750.85	-	<0.5	<0.7	<0.8	<0.8	3 J	-	<0.8	<0.8	<10	<20	330	-	-	-	-	-
MW-8A	05/14/2008	793.10	39.50	753.60	-	<0.5	<0.7	<0.8	<0.8	3 J	-	<0.8	<0.8	<10	<20	280	-	-	-	-	-
MW-8A	08/13/2008	793.10	40.29	752.81	-	<0.5	<0.7	<0.8	<0.8	3 J	-	<0.8	<0.8	<10	<20	240	-	-	-	-	-
MW-8A	11/20/2008	793.10	42.14	750.96	-	<0.5	<0.7	<0.8	<0.8	2 J	-	<0.8	<0.8	<10	<20	500	-	-	-	-	-
MW-8A	02/11/2009	793.10	41.25	751.85	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-8A	05/19/2009	793.10	40.15	752.95	-	<1	<1	<1	<1	1.91	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-8A	08/17/2009	793.10	41.10	752.00	-	<1	<1	<1	<1	2.32	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-8A	11/23/2009	793.10	39.62	753.48	-	<1	<1	<1	<1	1.60	-	<1	<1	<5	38.2	156 J	-	-	-	-	-
MW-8A	02/17/2010	793.10	37.91	755.19	-	<1	<1	<1	<1	<1	-	<1	<1	<5	34.2	222	-	-	-	-	-
MW-8A	05/19/2010	793.10	39.50	753.60	-	<2	<2	<2	<2	3.18	-	<2	<2	<10	<100	<300	-	-	-	-	-
MW-8A	06/03/2010	793.10	39.30	753.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/17/2010	793.10	41.61	751.49	-	<1	<1	<1	<1	1.78	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-8A	11/22/2010	793.10	42.05	751.05	-	<1	<1	<1	<1	1.48	-	<1	<1	<5	<100	218	-	-	-	-	-
MW-8A	02/16/2011	793.10	43.80	749.30	-	<1	<1	<1	<1	1.46	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-8A	04/25/2011	793.10	38.72	754.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/28/2011	793.10	38.74	754.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/25/2011	793.10	37.67	755.43	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-8A	08/23/2011	793.10	41.09	752.01	-	<1	<1	<1	<1	1.02	-	<1	<1	<5	<100	461	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-7B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	11/06/2020	<0.050	<0.060	<0.060	<0.070	<0.050	0.073 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-7B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/17/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-7B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	0.10 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-7B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-7B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7B	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-8A	09/20/2006	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/02/2006	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/24/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/09/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/08/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/21/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/14/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/13/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/20/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/11/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/19/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/17/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/23/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/17/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/19/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	06/03/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/17/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/22/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/16/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/25/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/23/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-8A	11/28/2011	793.10	38.75	754.35	64.50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	11/30/2011	793.10	38.63	754.47	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/01/2011	793.10	38.80	754.30	.	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-8A	12/06/2011	793.10	38.70	754.40	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/07/2011	793.10	38.56	754.54	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/08/2011	793.10	38.64	754.46	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/09/2011	793.10	38.45	754.65	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/13/2011	793.10	38.41	754.69	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/19/2011	793.10	37.78	755.32	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/28/2011	793.10	37.18	755.92	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/03/2012	793.10	37.26	755.84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/09/2012	793.10	37.42	755.68	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/16/2012	793.10	37.75	755.35	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/17/2012	793.10	37.39	755.71	.	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<151	<1	<1	<1	<5	<1	
MW-8A	01/24/2012	793.10	37.68	755.42	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/31/2012	793.10	37.94	755.16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/08/2012	793.10	38.25	754.85	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/15/2012	793.10	38.50	754.60	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/22/2012	793.10	38.46	754.64	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/27/2012	793.10	38.99	754.11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	03/05/2012	793.10	39.24	753.86	64.13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	03/08/2012	793.10	39.17	753.93	64.02	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-8A	04/06/2012	793.10	39.97	753.13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	05/07/2012	793.10	40.62	752.48	67.35	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	05/10/2012	793.10	40.48	752.62	64.02	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-8A	06/05/2012	793.10	40.02	753.08	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	07/25/2012	793.10	40.83	752.27	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	08/20/2012	793.10	41.13	751.97	64.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	08/23/2012	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-8A	09/04/2012	793.10	41.51	751.59	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	10/25/2012	793.10	41.85	751.25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	11/05/2012	793.10	40.25	752.85	64.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	11/06/2012	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	182	<1	<1	<1	<5	<1	
MW-8A	12/12/2012	793.10	40.03	753.07	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/22/2013	793.10	39.92	753.18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-8A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/01/2011	1 V4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-8A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 C	<1	<1	<1	<1	<1	<1	<1	<1	
MW-8A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-8A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-8A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-8A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	
MW-8A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-8A	02/11/2013	793.10	38.82	754.28	64.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/12/2013	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-8A	03/07/2013	793.10	38.60	754.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/18/2013	793.10	38.83	754.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/13/2013	793.10	39.32	753.78	64.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/16/2013	793.10	-	-	-	<0.5	<0.5	<0.5	1.04	<0.5	0.56	<0.5	<0.5	<2.5	<100	<152	-	-	-	-	-	-
MW-8A	06/03/2013	793.10	39.63	753.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	07/26/2013	793.10	40.20	752.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/05/2013	793.10	40.23	752.87	64.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/07/2013	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	242	<1.00	<1.00	<1	<5.00	<1	
MW-8A	09/05/2013	793.10	40.40	752.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	10/08/2013	793.10	41.26	751.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/18/2013	793.10	41.25	751.85	60.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/21/2013	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	9.44 J	165	<1.00	<1.00	<1	<5.00	<1	
MW-8A	12/20/2013	793.10	41.14	751.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/24/2014	793.10	38.37	754.73	64.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/25/2014	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	11.4 J	66.2 J	<1.00	<1.00	<1	<5.00	<1	
MW-8A	08/05/2014	793.10	38.10	755.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/03/2014	793.10	42.03	751.07	64.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/05/2014	793.10	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	248	<1.00	<1.00	<1	<5.00	<1	
MW-8A	02/02/2015	793.10	41.80	751.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/18/2015	793.10	40.28	752.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/19/2015	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<0.1	<4.0	<20	50 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8A	08/10/2015	793.10	40.51	752.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/02/2015	793.10	41.57	751.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/03/2015	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	4.2 J	<20	63 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8A	02/08/2016	793.10	39.78	753.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/02/2016	793.10	38.02	755.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/03/2016	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	57 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8A	08/01/2016	793.10	39.97	753.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/07/2016	793.10	42.44	750.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/09/2016	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	78 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8A	01/23/2017	793.10	43.07	750.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	01/25/2017	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8A	05/03/2017	793.10	41.73	751.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-8A	02/11/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	1 VC	<1	<1	
MW-8A	03/07/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/13/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/16/2013	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	-	-	<0.5	-	<0.5	
MW-8A	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/07/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	
MW-8A	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-8A	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-8A	08/05/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-8A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-8A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-8A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-8A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-8A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-8A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-8A	05/09/2017	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	68 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-8A	07/31/2017	793.10	41.52	751.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/06/2017	793.10	41.83	751.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/09/2017	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	21 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-8A	02/12/2018	793.10	42.87	750.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/13/2018	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	53 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-8A	06/11/2018	793.10	37.90	755.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	06/13/2018	793.10	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-8A	08/20/2018	793.10	35.74	757.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/22/2018	793.10	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-8A	11/07/2018	793.10	36.56	756.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/04/2019	793.10	36.01	757.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/06/2019	793.10	37.87	755.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/26/2019	793.10	39.85	753.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/05/2019	793.10	41.07	752.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/03/2020	793.10	40.85	752.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/27/2020	793.10	39.62	753.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	07/27/2020	793.10	40.14	752.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/03/2020	793.10	42.26	750.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	01/29/2021	793.10	41.07	752.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/11/2021	793.10	39.59	753.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/09/2021	793.10	41.38	751.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/09/2021	793.10	42.25	750.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/22/2022	793.10	42.62	750.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/10/2022	793.10	40.89	752.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/22/2022	793.10	38.39	754.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/24/2022	793.10	40.91	752.19	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-8B	09/20/2006	792.69	64.39	728.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/02/2006	792.69	47.58	745.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	04/23/2007	792.69	38.90	753.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/03/2007	792.69	-	-	-	0.8 J	<0.7	<0.8	<0.8	3 J	-	<0.8	<0.8	<10	<20	190	-	-	-	-	-
MW-8B	08/09/2007	792.69	40.76	751.93	-	0.7 J	<0.7	<0.8	1 J	1 J	-	<0.8	<0.8	<10	26 J	630	-	-	-	-	-
MW-8B	11/08/2007	792.69	42.00	750.69	-	<0.5	<0.7	<0.8	1 J	2 J	-	<0.8	<0.8	<10	21 J	200	-	-	-	-	-
MW-8B	02/21/2008	792.69	41.99	750.70	-	<0.5	<0.7	<0.8	<0.8	1 J	-	<0.8	<0.8	<10	21 J	460	-	-	-	-	-
MW-8B	05/14/2008	792.69	40.76	751.93	-	<0.5	<0.7	<0.8	<0.8	1 J	-	<0.8	<0.8	<10	<20	380	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-8A	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-8A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-8A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-8A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-8A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-8A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8A	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080
MW-8B	09/20/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/02/2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	04/23/2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/03/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/09/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/08/2007	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/21/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/14/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-8B	08/14/2008	792.69	39.72	752.97	-	<0.5	<0.7	<0.8	<0.8	1 J	-	<0.8	<0.8	<10	<20	550	-	-	-	-	-
MW-8B	11/20/2008	792.69	41.24	751.45	-	0.5 J	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	570	-	-	-	-	-
MW-8B	02/11/2009	792.69	40.52	752.17	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	286	-	-	-	-	-
MW-8B	05/18/2009	792.69	40.31	752.38	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	384	-	-	-	-	-
MW-8B	08/17/2009	792.69	40.41	752.28	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	234 J	-	-	-	-	-
MW-8B	11/23/2009	792.69	40.02	752.67	-	<1	<1	<1	<1	<1	-	<1	<1	<5	35.8	145 J	-	-	-	-	-
MW-8B	02/17/2010	792.69	39.30	753.39	-	<1	<1	<1	<1	<1	-	<1	<1	<5	34.7	146	-	-	-	-	-
MW-8B	05/18/2010	792.69	36.89	755.80	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<100	<300	-	-	-	-	-
MW-8B	06/03/2010	792.69	40.10	752.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/17/2010	792.69	40.18	752.51	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-8B	11/22/2010	792.69	41.91	750.78	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	182	-	-	-	-	-
MW-8B	02/16/2011	792.69	41.78	750.91	-	<1	<1	<1	<1	1.40	-	<1	<1	<5	<100	160	-	-	-	-	-
MW-8B	04/25/2011	792.69	39.59	753.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	04/28/2011	792.69	39.44	753.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/25/2011	792.69	26.00	766.69	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-8B	08/23/2011	792.69	39.54	753.15	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-8B	11/28/2011	792.69	7.58	785.11	99.65	<1	<1	<1	18	<1	<1	<1	<1	<5	<100	<158	<1	<1	<1	<5	<1
MW-8B	12/01/2011	792.69	11.50	781.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/06/2011	792.69	16.06	776.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/07/2011	792.69	16.85	775.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/08/2011	792.69	0.70	791.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/09/2011	792.69	2.35	790.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/13/2011	792.69	7.10	785.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/19/2011	792.69	13.05	779.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	12/28/2011	792.69	1.10	791.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/03/2012	792.69	7.55	785.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/09/2012	792.69	12.64	780.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/16/2012	792.69	16.40	776.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/18/2012	792.69	17.60	775.09	-	<1	<1	<1	5	<1	<1	<1	<1	<5	<100	<158	<1	<1	<1	<5	<1
MW-8B	01/24/2012	792.69	22.02	770.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/31/2012	792.69	24.42	768.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/08/2012	792.69	27.12	765.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/15/2012	792.69	85.11	707.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/22/2012	792.69	75.88	716.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/27/2012	792.69	70.20	722.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-8B	08/14/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/20/2008	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/11/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/18/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/17/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/23/2009	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/17/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/18/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	06/03/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/17/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/22/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/16/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/25/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/23/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/28/2011	<	<	<	<	<	<	<	<	18.2	<	<	<	<	<	<	<	<	<	<	<	
MW-8B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	01/18/2012	<	<	<	<	<	<	<	<	5.03	<	<	<	<	<	<	<	<	<	<	<	
MW-8B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-8B	03/05/2012	792.69	63.16	729.53	99.95	-	-	-	4	-	-	-	-	-	<100	-	-	-	-	-	-
MW-8B	03/08/2012	792.69	60.78	731.91	-	<1	<1	<1	-	<1	<1	<1	<1	<5	-	<150	<1	<1	<1	<5	<1
MW-8B	04/06/2012	792.69	49.51	743.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/09/2012	792.69	43.71	748.98	106.36	<2	<2	<2	5	<2	<2	<2	<2	<10	<100	850	<2	<2	<2	<10	<2
MW-8B	06/05/2012	792.69	41.76	750.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	07/25/2012	792.69	40.50	752.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/20/2012	792.69	40.83	751.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/23/2012	792.69	41.07	751.62	99.37	<1	<1	<1	4	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-8B	09/04/2012	792.69	42.40	750.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	10/25/2012	792.69	41.93	750.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/05/2012	792.69	41.62	751.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/09/2012	792.69	41.27	751.42	99.96	<1	<1	<1	4	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-8B	12/12/2012	792.69	41.35	751.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/22/2013	792.69	39.98	752.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/11/2013	792.69	38.81	753.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/13/2013	792.69	38.52	754.17	-	<1	<1	<1	5	<1	<1	<1	<1	<5	<100	<150	<1	<1	1 VC	<5	<1
MW-8B	03/07/2013	792.69	39.67	753.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	04/18/2013	792.69	38.62	724.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/13/2013	792.69	35.97	726.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/14/2013	792.69	36.05	726.64	105.55	<1	<1	<1	3	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1
MW-8B	06/03/2013	792.69	38.63	724.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	07/26/2013	792.69	35.13	757.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/05/2013	792.69	36.24	726.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/07/2013	792.69	36.50	726.19	104.97	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	100 J	<1.00	<1.00	<1	<5.00	<1
MW-8B	09/05/2013	792.69	39.33	753.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	10/08/2013	792.69	39.45	753.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/18/2013	792.69	37.43	755.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/19/2013	792.69	37.52	755.17	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1
MW-8B	12/20/2013	792.69	23.42	769.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/24/2014	792.69	37.08	755.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/25/2014	792.69	37.14	755.55	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	59.5 J	<1.00	<1.00	<1	<5.00	<1
MW-8B	08/05/2014	792.69	39.62	753.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/03/2014	792.69	37.96	754.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/05/2014	792.69	38.13	754.56	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	69.2 J	<1.00	<1.00	<1	<5.00	<1
MW-8B	02/02/2015	792.69	38.08	754.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-8B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	4.45	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-8B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/09/2012	<2	<2	<2	<2	<2	<2	<2	<2	5.14	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-8B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	4.39	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1
MW-8B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	4.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-8B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	4.68	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	<1
MW-8B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	2.61	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-8B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/07/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	3.46	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00
MW-8B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/19/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-8B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-8B	08/05/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-8B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-8B	05/18/2015	792.69	34.77	757.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/20/2015	792.69	34.89	757.80	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	08/10/2015	792.69	37.42	755.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/02/2015	792.69	39.91	752.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/05/2015	792.69	39.97	752.72	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	05/02/2016	792.69	39.82	752.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/06/2016	792.69	39.71	752.98	100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	08/01/2016	792.69	39.99	754.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/07/2016	792.69	39.56	753.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/09/2016	792.69	39.56	753.13	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	01/23/2017	792.69	40.43	752.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/30/2017	792.69	40.51	752.18	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	05/03/2017	792.69	40.45	752.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/09/2017	792.69	40.67	752.02	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	07/31/2017	792.69	40.40	752.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/06/2017	792.69	39.28	753.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/13/2017	792.69	39.72	752.97	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	02/12/2018	792.69	40.35	752.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/13/2018	792.69	40.34	752.35	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	06/11/2018	792.69	36.25	756.44	40.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	06/14/2018	792.69	36.09	756.60	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-8B	08/20/2018	792.69	37.15	755.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/23/2018	792.69	36.78	755.91	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	12 J	<45	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-8B	11/07/2018	792.69	35.53	757.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/04/2019	792.69	32.80	759.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/06/2019	792.69	34.20	758.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/26/2019	792.69	37.47	755.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/05/2019	792.69	38.77	753.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/03/2020	792.69	39.90	752.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	04/27/2020	792.69	39.54	753.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	07/27/2020	792.69	39.21	753.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/03/2020	792.69	40.45	752.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/29/2021	792.69	38.67	754.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/11/2021	792.69	38.38	754.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/09/2021	792.69	39.58	753.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-8B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/06/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/30/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/13/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-8B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-8B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-8B	11/09/2021	792.69	40.80	751.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	02/22/2022	792.69	42.02	750.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	05/10/2022	792.69	41.87	750.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/22/2022	792.69	39.45	753.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8B	08/24/2022	792.69	41.25	751.44	-	<0.10	0.11 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080
MW-9A	09/20/2006	798.18	41.40	756.78	-	<0.5	<0.7	<0.8	<0.8	1 J	-	<0.8	<0.8	<10	<20	1,100	-	-	-	-	-
MW-9A	11/02/2006	798.18	41.70	756.48	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	620	-	-	-	-	-
MW-9A	05/01/2007	798.18	37.20	760.98	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	380	-	-	-	-	-
MW-9A	08/09/2007	798.18	39.93	758.25	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	970	-	-	-	-	-
MW-9A	11/08/2007	798.18	43.80	754.38	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	520	-	-	-	-	-
MW-9A	02/21/2008	798.18	41.37	756.81	-	<0.5	<0.7	<0.8	<0.8	51	-	<0.8	0.9 J	24 J	56	120	-	-	-	-	-
MW-9A	05/15/2008	798.18	36.55	761.63	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	130	-	-	-	-	-
MW-9A	08/14/2008	798.18	39.72	758.46	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	44 J	-	-	-	-	-
MW-9A	11/20/2008	798.18	40.52	757.66	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	880	-	-	-	-	-
MW-9A	02/10/2009	798.18	39.00	759.18	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-9A	05/18/2009	798.18	37.75	760.43	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-9A	08/17/2009	798.18	38.24	759.94	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	296 J	-	-	-	-	-
MW-9A	11/23/2009	798.18	36.40	761.78	-	<1	<1	<1	<1	<1	-	<1	<1	<5	38.4	186	-	-	-	-	-
MW-9A	02/17/2010	798.18	35.65	762.53	-	<1	<1	<1	<1	<1	-	<1	<1	<5	34	119	-	-	-	-	-
MW-9A	05/19/2010	798.18	35.54	762.64	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<100	<300	-	-	-	-	-
MW-9A	06/03/2010	798.18	37.24	760.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/17/2010	798.18	40.10	758.08	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-9A	11/23/2010	798.18	41.37	756.81	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	205	-	-	-	-	-
MW-9A	02/15/2011	798.18	41.66	756.52	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-9A	04/25/2011	798.18	35.22	762.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	04/28/2011	798.18	34.51	763.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/25/2011	798.18	34.63	763.55	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-9A	08/23/2011	798.18	38.86	759.32	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<300	-	-	-	-	-
MW-9A	11/28/2011	798.18	36.18	762.00	63.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/30/2011	798.18	35.75	762.43	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<161	<1	<1	<1	<5	<1
MW-9A	12/01/2011	798.18	36.01	762.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	12/06/2011	798.18	35.98	762.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	12/07/2011	798.18	35.67	762.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	12/08/2011	798.18	35.60	762.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	12/09/2011	798.18	35.75	762.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-8B	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-8B	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-9A	09/20/2006	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/02/2006	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/01/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/09/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/08/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/21/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/15/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/14/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/20/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/10/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/18/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/17/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/23/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/17/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/19/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	06/03/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/17/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/23/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/15/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/25/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/23/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/30/2011	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
MW-9A	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-9A	12/13/2011	798.18	35.73	762.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	12/19/2011	798.18	35.27	762.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	12/28/2011	798.18	34.88	763.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/03/2012	798.18	35.25	762.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/09/2012	798.18	35.62	762.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/16/2012	798.18	36.14	762.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/17/2012	798.18	35.75	762.43	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	-	<1	<1	<1	<5	<1	<1
MW-9A	01/24/2012	798.18	36.03	762.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/31/2012	798.18	36.63	761.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/08/2012	798.18	36.62	761.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/15/2012	798.18	36.81	761.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/22/2012	798.18	36.99	761.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/27/2012	798.18	37.50	760.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	03/05/2012	798.18	37.48	760.70	63.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	03/06/2012	798.18	37.91	760.27	62.90	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<166	<1	<1	<1	<5	<1	<1
MW-9A	04/06/2012	798.18	38.36	759.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/07/2012	798.18	39.45	758.73	67.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/09/2012	798.18	39.25	758.93	67.46	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	227	<1	<1	<1	<5	<1	<1
MW-9A	06/05/2012	798.18	39.31	758.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	07/25/2012	798.18	39.70	758.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/20/2012	798.18	40.28	757.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/24/2012	798.18	40.50	757.68	61.51	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1
MW-9A	09/04/2012	798.18	40.70	757.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	10/25/2012	798.18	40.51	757.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/05/2012	798.18	38.56	759.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/08/2012	798.18	37.78	760.40	61.56	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<164	<1	<1	<1	<5	<1	<1
MW-9A	12/12/2012	798.18	37.62	760.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/22/2013	798.18	38.19	759.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/11/2013	798.18	37.37	760.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/12/2013	798.18	36.99	761.19	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<162	<1	<1	<1	<5	<1	<1
MW-9A	03/07/2013	798.18	36.73	761.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	04/18/2013	798.18	37.10	761.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/13/2013	798.18	37.40	760.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/15/2013	798.18	37.81	760.37	65.56	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-9A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9A	01/24/2012	.	.	.	.	.	.	.	.	.	11B	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	03/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-9A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	1 VC	<1	<1	1 VC	<1	<1	<1	<1	<1	
MW-9A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/24/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-9A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/15/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-9A	06/03/2013	798.18	38.15	760.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	07/26/2013	798.18	37.92	760.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/05/2013	798.18	38.78	759.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/06/2013	798.18	38.90	759.28	63	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	343	<1.00	<1.00	<1	<5.00	<1	<1
MW-9A	09/05/2013	798.18	38.65	759.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	10/08/2013	798.18	39.93	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/18/2013	798.18	39.68	758.50	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	861	<1.00	<1.00	<1	<5.00	<1	<1
MW-9A	12/20/2013	798.18	40.13	758.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/24/2014	798.18	36.71	761.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/26/2014	798.18	37.07	761.11	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.9	<1.00	<1.00	<1	<5.00	<1	<1
MW-9A	08/05/2014	798.18	38.17	760.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/03/2014	798.18	41.42	756.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/04/2014	798.18	41.28	756.90	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	140 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-9A	02/02/2015	798.18	40.56	757.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/18/2015	798.18	39.98	758.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/19/2015	798.18	39.71	758.47	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	08/10/2015	798.18	40.07	758.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/02/2015	798.18	41.44	756.74	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	02/08/2016	798.18	39.15	759.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/02/2016	798.18	37.32	760.86	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/03/2016	798.18	37.11	761.07	65	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	08/01/2016	798.18	40.04	758.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/07/2016	798.18	42.44	755.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/10/2016	798.18	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	01/23/2017	798.18	42.91	755.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/26/2017	798.18	42.71	755.47	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	05/03/2017	798.18	40.35	757.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/04/2017	798.18	40.34	757.84	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	07/31/2017	798.18	40.48	757.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/06/2017	798.18	41.20	756.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/08/2017	798.18	41.14	757.04	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	02/12/2018	798.18	42.58	755.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/13/2018	798.18	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	06/11/2018	798.18	35.61	762.57	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9A	08/20/2018	798.18	33.47	764.71	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	<0.05



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-9A	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/06/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-9A	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/18/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-9A	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/26/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-9A	08/05/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-9A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/02/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/04/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	06/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-9A	08/20/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-9A	11/07/2018	798.18	34.83	763.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/04/2019	798.18	34.20	763.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/06/2019	798.18	36.14	762.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/26/2019	798.18	38.10	760.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/05/2019	798.18	40.65	757.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/03/2020	798.18	39.30	758.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	04/27/2020	798.18	38.75	759.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	07/27/2020	798.18	38.77	759.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/03/2020	798.18	42.03	756.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	01/29/2021	798.18	40.89	757.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/11/2021	798.18	38.39	759.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/09/2021	798.18	40.44	757.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	11/09/2021	798.18	41.93	756.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	02/22/2022	798.18	42.47	755.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	05/10/2022	798.18	40.72	757.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/22/2022	798.18	40.92	757.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9A	08/24/2022	798.18	40.92	757.26	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-9B	09/20/2006	798.04	41.21	756.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/02/2006	798.04	41.58	756.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	04/23/2007	798.04	37.23	760.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	04/26/2007	798.04	-	-	-	0.9 J	0.8 J	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	370	-	-	-	-	-	-
MW-9B	04/30/2007	798.04	-	-	-	0.5 J	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	570	-	-	-	-	-	-
MW-9B	08/09/2007	798.04	39.44	758.60	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	940	-	-	-	-	-	-
MW-9B	11/08/2007	798.04	42.42	755.62	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	670	-	-	-	-	-	-
MW-9B	02/21/2008	798.04	41.21	756.83	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	1,500	-	-	-	-	-	-
MW-9B	05/15/2008	798.04	36.53	761.51	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	1,600	-	-	-	-	-	-
MW-9B	08/14/2008	798.04	38.36	759.68	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	410	-	-	-	-	-	-
MW-9B	11/20/2008	798.04	40.15	757.89	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	5,900	-	-	-	-	-	-
MW-9B	02/10/2009	798.04	38.64	759.40	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<25	638	-	-	-	-	-	-
MW-9B	05/19/2009	798.04	32.76	765.28	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-	-
MW-9B	08/17/2009	798.04	38.96	759.08	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	324	-	-	-	-	-	-
MW-9B	11/23/2009	798.04	36.06	761.98	-	<1	<1	<1	<1	<1	-	<1	<1	<5	37.7	271	-	-	-	-	-	-
MW-9B	02/17/2010	798.04	34.03	764.01	-	<1	<1	<1	<1	<1	-	<1	<1	<5	35.4	280	-	-	-	-	-	-
MW-9B	05/19/2010	798.04	36.26	761.78	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<300	-	-	-	-	-	-	-
MW-9B	06/03/2010	798.04	37.08	760.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-9A	11/07/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/04/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/06/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/26/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/05/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	04/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	07/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	01/29/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/11/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9A	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-9B	09/20/2006	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/02/2006	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	04/23/2007	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	04/26/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	04/30/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/09/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/08/2007	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/21/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/15/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/14/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/20/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/10/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/19/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/17/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/23/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/17/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/19/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	06/03/2010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-9B	08/17/2010	798.04	39.25	758.79	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	212	-	-	-	-	-	-
MW-9B	11/23/2010	798.04	41.37	756.67	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	171	-	-	-	-	-	-
MW-9B	02/15/2011	798.04	41.66	756.38	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	428	-	-	-	-	-	-
MW-9B	04/25/2011	798.04	34.94	763.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	04/28/2011	798.04	34.41	763.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/25/2011	798.04	34.39	763.65	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	365	-	-	-	-	-	-
MW-9B	08/23/2011	798.04	39.02	759.02	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	313	-	-	-	-	-	-
MW-9B	11/28/2011	798.04	35.97	762.07	98.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/30/2011	798.04	35.55	762.49	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<164	<1	<1	<1	<5	<1	<1
MW-9B	12/01/2011	798.04	36.35	761.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/06/2011	798.04	35.80	762.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/07/2011	798.04	35.48	762.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/08/2011	798.04	35.21	762.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/09/2011	798.04	35.42	762.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/13/2011	798.04	35.50	762.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/19/2011	798.04	34.98	763.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	12/28/2011	798.04	34.42	763.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/03/2012	798.04	34.99	763.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/09/2012	798.04	35.22	762.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/16/2012	798.04	35.58	762.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/17/2012	798.04	35.65	762.39	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	-	<1	<1	<1	<5	<1	<1
MW-9B	01/24/2012	798.04	35.84	762.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/31/2012	798.04	36.07	761.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/08/2012	798.04	36.34	761.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/15/2012	798.04	36.50	761.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/22/2012	798.04	36.74	761.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/27/2012	798.04	37.10	760.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	03/05/2012	798.04	37.14	760.90	98.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	03/06/2012	798.04	37.32	760.72	98.35	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<158	<1	<1	<1	<5	<1	<1
MW-9B	04/06/2012	798.04	38.18	759.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/07/2012	798.04	39.25	758.79	98.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/11/2012	798.04	39.20	758.84	98.35	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	285	<1	<1	<1	<5	<1	<1
MW-9B	06/05/2012	798.04	39.11	758.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	07/25/2012	798.04	39.48	758.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/20/2012	798.04	40.08	757.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-9B	08/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/23/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/15/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/25/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/23/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/30/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	03/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-9B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-9B	08/24/2012	798.04	40.31	757.73	97.80	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	205	<1	<1	<1	<5	<1
MW-9B	09/04/2012	798.04	40.49	757.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	10/25/2012	798.04	41.41	756.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/05/2012	798.04	38.42	759.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/08/2012	798.04	37.53	760.51	97.40	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-9B	12/12/2012	798.04	37.28	760.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/22/2013	798.04	38.10	759.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/11/2013	798.04	37.05	760.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/12/2013	798.04	36.86	761.18	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-9B	03/07/2013	798.04	36.35	761.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	04/18/2013	798.04	36.91	761.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/13/2013	798.04	37.39	760.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/15/2013	798.04	37.60	760.44	103.10	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-9B	06/03/2013	798.04	37.97	760.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	07/26/2013	798.04	38.40	759.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/05/2013	798.04	38.68	759.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/06/2013	798.04	38.75	759.29	104.05	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	110 J	<1.00	<1.00	<1	<5.00	<1
MW-9B	09/05/2013	798.04	38.52	759.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	10/08/2013	798.04	39.03	759.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/18/2013	798.04	39.91	758.13	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	13.2 J	552	<1.00	<1.00	<1	<5.00	<1
MW-9B	12/20/2013	798.04	39.63	758.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/24/2014	798.04	35.27	762.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/26/2014	798.04	37.86	760.18	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	95.4 J	<1.00	<1.00	<1	<5.00	<1
MW-9B	08/05/2014	798.04	38.23	759.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/03/2014	798.04	41.07	756.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/04/2014	798.04	41.07	756.97	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	259	<1.00	<1.00	<1	<5.00	<1
MW-9B	02/02/2015	798.04	40.11	757.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/18/2015	798.04	39.68	758.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/20/2015	798.04	39.70	758.34	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	190	<0.1	<0.3	<0.1	<0.2	<0.1
MW-9B	08/10/2015	798.04	39.76	758.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/02/2015	798.04	42.07	755.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/03/2015	798.04	41.95	756.09	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	200	<0.1	<0.3	<0.1	<0.2	<0.1
MW-9B	02/08/2016	798.04	39.42	758.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/02/2016	798.04	36.86	761.18	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/03/2016	798.04	36.70	761.34	120	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	260	<0.1	<0.3	<0.1	<0.2	<0.1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-9B	08/24/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-9B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	
MW-9B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/15/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-9B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	08/06/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	
MW-9B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/18/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	
MW-9B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	02/26/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	
MW-9B	08/05/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	
MW-9B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-9B	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-9B	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-9B	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-9B	08/01/2016	798.04	39.16	758.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/07/2016	798.04	41.90	756.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/09/2016	798.04	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	250	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9B	01/23/2017	798.04	42.70	755.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/26/2017	798.04	42.19	755.85	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	260	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9B	05/03/2017	798.04	40.07	757.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/04/2017	798.04	40.05	757.99	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	23 J	420	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9B	07/31/2017	798.04	39.20	758.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/06/2017	798.04	39.98	758.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/08/2017	798.04	39.03	759.01	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	480	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-9B	02/12/2018	798.04	40.61	757.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/13/2018	798.04	40.61	757.43	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<40.0	<20	220	<1.0	<3.0	<1.0	<2.0	<1.0	<1.0
MW-9B	06/11/2018	798.04	33.75	764.29	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<40	<20	290	<1.0	<3.0	<1.0	<2.0	<1.0	<1.0
MW-9B	08/20/2018	798.04	31.91	766.13	-	<0.5	<0.5	<0.5	<0.8	<0.5	<0.9	<0.5	<3.0	<16	<11	740	<0.6	<0.6	<0.5	<2.0	<0.5	<0.5
MW-9B	11/07/2018	798.04	32.80	765.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/04/2019	798.04	32.72	765.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/06/2019	798.04	34.70	763.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/26/2019	798.04	36.88	761.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/05/2019	798.04	39.08	758.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/03/2020	798.04	39.49	758.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	04/27/2020	798.04	38.07	759.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	07/27/2020	798.04	37.26	760.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/03/2020	798.04	39.96	758.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/29/2021	798.04	40.88	757.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/11/2021	798.04	37.67	760.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/09/2021	798.04	39.30	758.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/09/2021	798.04	40.73	757.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/22/2022	798.04	41.25	756.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/10/2022	798.04	39.23	758.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/22/2022	798.04	38.99	759.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/24/2022	798.04	39.08	758.96	-	<0.10	<0.080	<0.070	<0.080	0.51	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080	<0.10	<0.080
MW-10A	05/23/2007	800.69	37.11	763.58	-	10	2 J	<0.8	66	1,000	-	6	25	320	3,000	1,300	-	-	-	-	-	-
MW-10A	08/09/2007	800.69	40.39	760.30	-	2 J	<0.7	<0.8	31	150	-	1 J	4 J	61 J	900	1,300	-	-	-	-	-	-
MW-10A	11/08/2007	800.69	42.72	757.97	-	15	11 J	10 J	150	1,600	-	16	53	2,200	4,600	3,400	-	-	-	-	-	-
MW-10A	02/22/2008	800.69	39.95	760.74	-	9 J	<1	<2	94	3,400	-	17	90	2,800	5,700	2,800	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-9B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-9B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-9B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/04/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-9B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-9B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/13/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1	<1	<1	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<10	<1.0
MW-9B	06/11/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0
MW-9B	08/20/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.6	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5
MW-9B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9B	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	0.25 J	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-10A	05/23/2007	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/09/2007	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/08/2007	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/22/2008	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-10A	05/15/2008	800.69	36.42	764.27	-	<0.5	<0.7	<0.8	4 J	32	-	<0.8	0.9 J	26 J	130	860	-	-	-	-	-
MW-10A	08/14/2008	800.69	39.15	761.54	-	3 J	<0.7	<0.8	43	140	-	1 J	4 J	92	1,400	780	-	-	-	-	-
MW-10A	11/20/2008	800.69	41.87	758.82	-	3 J	<0.7	<0.8	50	200	-	2 J	5 J	82	1,800	1,500	-	-	-	-	-
MW-10A	02/11/2009	800.69	39.84	760.85	-	3.45	<1	<1	30.6	292	-	1.91	5.34	66.6	967	204	-	-	-	-	-
MW-10A	05/19/2009	800.69	37.64	763.05	-	1.25	<1	<1	8.11	43.9	-	<1	<1	<5	350	<40	-	-	-	-	-
MW-10A	08/18/2009	800.69	40.25	760.44	-	2.68	<1	<1	35.4	101	-	<1	<1	<5	1,280	148 J	-	-	-	-	-
MW-10A	11/24/2009	800.69	37.24	763.45	-	<1	<1	<1	<1	2.14	-	<1	<1	<5	58.3	173	-	-	-	-	-
MW-10A	02/17/2010	800.69	36.41	764.28	-	1.97	<1	<1	24.7	90.2	-	<1	<1	34.3	1,010	172	-	-	-	-	-
MW-10A	05/20/2010	800.69	37.61	763.08	-	<1	<1	<1	7.06	13.4	-	<1	<1	35.9	306	<300	-	-	-	-	-
MW-10A	06/03/2010	800.69	38.10	762.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/18/2010	800.69	40.64	760.05	-	4.34	<2	<2	58.7	187	-	<2	<2	432	1,550	444	-	-	-	-	-
MW-10A	11/23/2010	800.69	41.77	758.92	-	2.92	<1	<1	53.5	113	-	<1	<1	125	1,580	419	-	-	-	-	-
MW-10A	02/15/2011	800.69	42.74	757.95	-	2.46	<1	<1	40.7	1,530	-	<1	20.1	316	1,330	316	-	-	-	-	-
MW-10A	04/25/2011	800.69	35.64	765.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	04/28/2011	800.69	35.76	764.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/26/2011	800.69	36.08	764.61	-	1.45	<1	<1	25.9	99.6	-	<1	<1	<5	938	260	-	-	-	-	-
MW-10A	08/23/2011	800.69	40.52	760.17	-	2.06	<1	<1	33.3	151	-	<1	<1	<5	1,090	338	-	-	-	-	-
MW-10A	11/28/2011	800.69	36.34	764.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/30/2011	800.69	35.96	764.73	-	<1	<1	<1	<2	85.7	1.13	<1	<1	56	381	<174	<1	<1	<1	<5	<1
MW-10A	12/01/2011	800.69	36.41	764.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/06/2011	800.69	36.88	763.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/07/2011	800.69	36.62	764.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/08/2011	800.69	35.92	764.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/09/2011	800.69	35.25	765.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/13/2011	800.69	35.70	764.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/19/2011	800.69	34.25	766.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	12/28/2011	800.69	33.78	766.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/03/2012	800.69	33.81	766.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/09/2012	800.69	34.36	766.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/16/2012	800.69	34.67	766.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/19/2012	800.69	34.60	766.09	-	3.12	<1	<1	<2	117	18.1 12C	1.5	<1	374	1,120	418	<1	<1	<1	<5	<1
MW-10A	01/24/2012	800.69	35.00	765.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/31/2012	800.69	35.57	765.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/08/2012	800.69	35.96	764.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10A	05/15/2008	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/14/2008	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/20/2008	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/11/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/19/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/24/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/20/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	06/03/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/18/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/23/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/15/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/26/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/23/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/30/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.75	1.41	<1	<1	<1	<1	<1	<1	<1	<1	
MW-10A	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	17.2	3.96	<1	<1	8.54	<1	<1	<1	<1	<1	
MW-10A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-10A	02/15/2012	800.69	36.20	764.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/22/2012	800.69	36.42	764.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/27/2012	800.69	37.35	763.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	03/05/2012	800.69	36.43	764.26	61.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	03/07/2012	800.69	36.92	763.77	61.38	2.63	<1	<1	<2	114	12.9	<1	3.84	147	786	438	<1	<1	<1	<5	<1	<1
MW-10A	04/06/2012	800.69	38.20	762.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/07/2012	800.69	38.95	761.74	61.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/09/2012	800.69	38.90	761.79	61.32	2.79	<1	<1	<2	54.8 VH	10.8 VC	<1	1.88 VH	116	540	386	<1	<1	<1	<5	<1	<1
MW-10A	06/05/2012	800.69	38.18	762.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	07/25/2012	800.69	39.09	761.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/20/2012	800.69	39.45	761.24	61.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/21/2012	800.69	39.45	761.24	61.40	1.46	<1	<1	<2	82.2	4.3 VC	<1	<1	70.8	302	290	<1	<1	<1	<5	<1	<1
MW-10A	09/04/2012	800.69	39.85	760.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	10/25/2012	800.69	40.50	760.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/05/2012	800.69	36.02	764.67	61.40	1.71	<1	<1	<2	59.3	4.86	<1	<1	175	542	363	<1	<1	<1	<5	<1	<1
MW-10A	12/12/2012	800.69	37.65	763.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/22/2013	800.69	37.37	763.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/11/2013	800.69	34.99	765.70	61.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/12/2013	800.69	-	-	-	2.2	<1	<1	<2	56.1 VH	3.39 VC	<1	<1	232	481	168	<1	<1	<1	<5	<1	<1
MW-10A	03/07/2013	800.69	35.92	764.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	04/18/2013	800.69	36.93	763.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/13/2013	800.69	37.43	763.26	61.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/14/2013	800.69	-	-	-	0.78	<0.5	<0.5	<1	18	<0.5	<0.5	<0.5	41.3	171	<152	-	-	-	-	-	-
MW-10A	06/03/2013	800.69	38.12	762.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	07/26/2013	800.69	38.45	762.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/05/2013	800.69	38.62	762.07	38.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/06/2013	800.69	-	-	-	<1	<1	<1	<2	33.4	<1	<1	<1	16.7	305	593	<1.00	<1.00	<1	<5.00	<1	<1
MW-10A	09/05/2013	800.69	39.20	761.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	10/08/2013	800.69	40.10	760.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/18/2013	800.69	39.82	760.87	61.35	1.43	<1	<1	<2	59.5	<1	<1	1.15	217	571	74.8 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-10A	12/20/2013	800.69	39.30	761.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/23/2014	800.69	35.68	765.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/10/2014	800.69	36.27	764.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	14.2	4.3	<1	<1	7.81	<1	<1	<1	<1	
MW-10A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	10.8	VC	<1	<1	<1	6.47	<1	<1	<1	<1	
MW-10A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.51	1 VC	<1	<1	3.18	<1	<1	<1	<1	
MW-10A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	7.09	<1	<1	<1	4.54	<1	<1	<1	<1	
MW-10A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	1 VC	<1	<1	
MW-10A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	.
MW-10A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	08/06/2013	<1	<1.00	<1	<1.00	1.17	<1	<1	<1	1.01	<1	<1.00	3.27	<1	<1	<1	1.86	<1	<1 VC	<1.00	<1.00	
MW-10A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	11/18/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	7.09	<1	<1	<1	4.81	<1	<1	<1.00	<1.00	
MW-10A	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10A	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-10A	02/24/2014	800.69	34.98	765.71	61.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/25/2014	800.69	-	-	-	2.17	<1	<1	4.16	26.7	<1	<1	<1	214	501	479	<1.00	<1.00	2.82	<5.00	<1	-
MW-10A	03/11/2014	800.69	35.03	765.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	03/21/2014	800.69	34.18	766.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	04/04/2014	800.69	34.08	766.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	04/21/2014	800.69	33.23	767.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/06/2014	800.69	32.97	767.72	61.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/07/2014	800.69	-	-	-	<1	<1	<1	<2	5.53	<1	<1	<1	<5	99.1 J	1,450	<1.00	<1.00	<1	<5.00	<1	-
MW-10A	05/22/2014	800.69	32.32	768.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	06/09/2014	800.69	35.48	765.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	06/23/2014	800.69	35.02	765.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	07/10/2014	800.69	37.50	763.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/06/2014	800.69	38.45	762.24	-	<1	<1	<1	<2	1.90 2a	<1	<1	<1	14.3	30.5 J	2,190	<1.00	<1.00	<1	<5.00	<1	-
MW-10A	11/03/2014	800.69	41.65	759.04	61.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/04/2014	800.69	-	-	-	<1	<1	<1	<2	76.5	<1	<1	1.25	203	476	65.1 J	<1.00	<1.00	<1	<5.00	<1	-
MW-10A	02/02/2015	800.69	41.40	759.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/04/2015	800.69	-	-	-	1	<0.1	<0.1	0.2 J	42	0.3 J	0.3 J	0.9	160	430	110	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	05/18/2015	800.69	36.65	764.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/19/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	96 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	08/10/2015	800.69	36.98	763.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/11/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	120	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	11/02/2015	800.69	37.61	763.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/05/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4	36 J	310	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	03/18/2016	800.69	34.62	766.07	61.40	<0.1	<0.1	<0.1	<0.1	1.2	<0.1	<0.1	<0.1	11	74	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	05/02/2016	800.69	34.95	765.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/03/2016	800.69	-	-	-	0.5	<0.1	<0.1	<0.1	9.2	<0.1	0.1 J	0.3 J	33	190	140	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	08/01/2016	800.69	36.80	763.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/03/2016	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	11/07/2016	800.69	41.15	759.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/09/2016	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	28 J	650	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	01/23/2017	800.69	43.28	757.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/25/2017	800.69	-	-	-	0.3 J	<0.1	<0.1	<0.1	11	<0.1	<0.1	<0.1	<4.0	28 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	04/05/2017	800.69	42.85	757.84	-	0.8	<0.1	<0.1	<0.1	19	<0.1	0.1 J	0.4 J	<4.0	-	-	-	-	<0.1	-	-	<0.1
MW-10A	05/03/2017	800.69	40.1	760.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/09/2017	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	23 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-10A	07/31/2017	800.69	40.68	760.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/02/2017	800.69	-	-	-	0.7	<0.1	<0.1	<0.1	17	<0.1	0.1 J	0.4 J	9.1 J	350	62 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10A	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	2.98	<1	<1	<1	2.23	<1	<1	<1.00	<1.00	
MW-10A	03/11/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	03/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	04/04/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	04/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-10A	05/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	06/09/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	06/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	07/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-10A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	9.58	<1	<1	<1	6.06	<1	<1	<1.00	<1.00	
MW-10A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/04/2015	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	7.8	0.2 J	<0.1	<0.1	5.6	<0.1	<0.1	<1.0	<0.1	
MW-10A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	
MW-10A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-10A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	
MW-10A	03/18/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<1.0	<0.1	
MW-10A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/03/2016	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1.5	<0.1	<0.1	<0.1	2.2	<0.1	<0.1	<1.0	<0.1	
MW-10A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	
MW-10A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-10A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.5 J	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<1.0	<0.1	
MW-10A	04/05/2017	<0.1	-	<0.1	-	-	<0.4	<0.1	<0.1	<0.1	<0.2	-	1.0	0.1 J	<0.1	<0.1	3.6	<0.1	<0.1	-	-	
MW-10A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-10A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/02/2017	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1	0.1 J	<0.1	<0.1	4.8	<0.1	<0.1	<1.0	<0.1	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-10A	11/06/2017	800.69	41.02	759.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/09/2017	800.69	-	-	-	0.1 J	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	6.9 J	120	54 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-10A	02/12/2018	800.69	42.87	757.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/13/2018	800.69	-	-	-	1.6	<0.1	<0.1	<0.1	37	<0.1	0.4 J	1.2	100	450	100	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-10A	06/11/2018	800.69	35.79	764.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	06/13/2018	800.69	-	-	-	1	<0.1	<0.1	0.2 J	13	<0.1	0.1 J	<0.1	59	340	95 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-10A	08/20/2018	800.69	33.96	766.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/22/2018	800.69	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-10A	11/07/2018	800.69	35.70	764.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/08/2018	800.69	35.90	764.79	-	0.4 J	<0.05	<0.05	<0.08	5.4	<0.09	<0.05	<0.3	3.8 J	260	63 J	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-10A	02/04/2019	800.69	34.58	766.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/05/2019	800.69	34.56	766.13	-	0.1 J	<0.05	<0.05	<0.08	3.8	<0.09	<0.05	<0.3	<1.6	73	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-10A	05/06/2019	800.69	36.16	764.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/08/2019	800.69	37.12	763.57	-	0.2 J	0.05 J	<0.05	<0.08	3.5	<0.09	<0.05	<0.3	<1.6	90	<53	<0.06	<0.06	<0.05	<0.2	0.1 J	
MW-10A	08/26/2019	800.69	38.73	761.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/28/2019	800.69	39.05	761.64	-	0.4 J	<0.05	<0.05	<0.1	3.6	<0.09	<0.05	<0.3	2.3 J	140	<53	<0.06	<0.06	<0.05	<0.2	0.1 J	
MW-10A	11/05/2019	800.69	40.10	760.59	-	0.3 J	<0.07	<0.06	<0.2	2.8	<0.05	<0.05	<0.2	<1.1	120	<50	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-10A	02/05/2020	800.69	39.14	761.55	-	0.1 J	<0.07	<0.06	<0.2	3.3	<0.05	<0.05	<0.2	<1.1	63	<51	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-10A	04/27/2020	800.69	37.19	760.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/01/2020	800.69	37.11	763.58	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-10A	05/28/2020	800.69	36.79	763.9	-	0.2 J	0.1 J	<0.06	<0.2	2.8	<0.05	<0.05	<0.2	5.1 J	74	<51	0.1 J	0.2 J	<0.06	<0.1	<0.06	
MW-10A	07/27/2020	800.69	38.88	761.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	07/28/2020	800.69	39.28	761.41	-	0.59	<0.07	<0.06	<0.15	4.3	<0.05	0.073 J	<0.20	10	160	<59	<0.07	<0.10	<0.06	<0.1	<0.06	
MW-10A	11/03/2020	800.69	42.12	758.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/04/2020	800.69	42.20	758.49	-	0.42 J	<0.070	<0.060	<0.15	3.6	<0.050	<0.050	<0.20	<1.1	140	<56	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-10A	01/29/2021	800.69	38.7	761.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/05/2021	800.69	38.83	761.86	-	1.2	<0.070	<0.060	<0.15	7.9	0.059 JB	0.13 J	<0.20	54	280	110	<0.070	<0.10	<0.060	<0.10	0.13 J	
MW-10A	05/11/2021	800.69	38.07	762.62	-	0.065 J	<0.070	<0.060	<0.15	2.8	<0.050	<0.050	<0.20	<1.1	43 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-10A	08/09/2021	800.69	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/16/2021	800.69	40.98	759.71	-	0.16 J	<0.070	<0.060	<0.15	1.7	<0.050	<0.050	<0.20	<1.1	100	77 J	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-10A	11/09/2021	800.69	42.07	758.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/12/2021	800.69	42.02	758.67	-	0.19 J	<0.070	<0.060	<0.15	1.4	<0.050	<0.050	<0.20	<1.1	110	290	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-10A	02/22/2022	800.69	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	03/01/2022	800.69	42.97	757.72	-	0.28 J	<0.070	<0.060	<0.15	2.0	<0.050	<0.050	<0.20	<1.1	52	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-10A	05/10/2022	800.69	39.48	761.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/12/2022	800.69	39.12	761.57	-	0.48 J	<0.070	<0.060	<0.15	3.5	<0.050	<0.050	<0.20	2.6 J	96	<57	<0.070	<0.10	<0.060	<0.10	<0.060	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/09/2017	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.5	< 0.1	< 0.1	< 0.1	1.0	< 0.1	< 0.1	< 1.0	< 0.1	
MW-10A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/13/2018	0.3 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	2.5	0.2 J	< 0.1	< 0.1	4.8	< 0.1	< 0.1	< 1.0	< 0.1	
MW-10A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	06/13/2018	0.2 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	1.5	0.2 J	< 0.1	< 0.1	5.4	< 0.1	< 0.1	< 1.0	< 0.1	
MW-10A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/22/2018	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.05	< 0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.6	< 0.05	
MW-10A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/08/2018	0.1 J	< 0.05	< 0.05	< 0.05	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	0.3 J	0.08 J	< 0.05	< 0.05	3.4	< 0.05	0.1 J	< 0.6	< 0.05	
MW-10A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/05/2019	0.08 J	< 0.05	< 0.05	< 0.05	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	0.05 J	< 0.07	< 0.05	< 0.05	0.9	< 0.05	0.07 J	< 0.6	< 0.05	
MW-10A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/08/2019	0.1 J	< 0.05	< 0.05	< 0.05	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	0.1 J	< 0.07	< 0.05	< 0.05	1.5	< 0.05	0.06 J	< 0.6	< 0.05	
MW-10A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/28/2019	0.08 J	< 0.05	< 0.05	< 0.05	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	0.1 J	0.1 J	< 0.05	< 0.05	2.3	< 0.05	0.1 J	< 0.8	< 0.05	
MW-10A	11/05/2019	0.06 J	< 0.06	< 0.06	< 0.07	< 0.05	< 0.06	< 0.06	< 0.07	< 0.09	< 0.06	< 0.05	0.09 J	0.06 J	< 0.06	< 0.05	1.8	< 0.07	0.1 J	< 2.0	< 0.06	
MW-10A	02/05/2020	0.09 J	< 0.06	< 0.06	< 0.07	< 0.05	< 0.06	< 0.06	< 0.07	< 0.09	< 0.06	< 0.05	< 0.05	< 0.05	< 0.06	< 0.05	0.3 J	< 0.07	0.1 J	< 2.0	< 0.06	
MW-10A	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/01/2020	< 0.05	< 0.06	< 0.06	< 0.07	< 0.05	< 0.06	< 0.06	< 0.07	< 0.09	< 0.06	< 0.05	< 0.05	< 0.05	< 0.06	< 0.05	0.06 J	< 0.07	< 0.06	< 2.0	< 0.06	
MW-10A	05/28/2020	0.07 J	< 0.06	< 0.06	< 0.07	< 0.05	< 0.06	< 0.06	< 0.07	< 0.09	< 0.06	< 0.05	< 0.05	< 0.05	< 0.06	< 0.05	0.6	< 0.07	0.09 J	< 2.0	< 0.06	
MW-10A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	07/28/2020	0.11 J	< 0.06	< 0.06	< 0.07	< 0.05	< 0.06	< 0.06	< 0.07	< 0.09	< 0.06	< 0.05	0.17 J	0.15 J	< 0.06	< 0.05	2.5	< 0.07	0.093 J	< 2.0	< 0.06	
MW-10A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/04/2020	< 0.050	< 0.060	< 0.060	< 0.070	< 0.050	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	< 0.050	0.075 J	0.079 J	< 0.060	< 0.050	1.8	< 0.070	0.12 J	< 2.0	< 0.060	
MW-10A	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	02/05/2021	< 0.050	< 0.060	< 0.060	< 0.070	< 0.050	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	< 0.050	0.36 J	0.22 JB	< 0.060	< 0.050	3.2	< 0.070	0.093 J	< 2.0	< 0.060	
MW-10A	05/11/2021	0.063 J	< 0.060	< 0.060	< 0.070	< 0.050	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	< 0.050	0.050 J	< 0.050	< 0.060	< 0.050	0.14 J	< 0.070	0.15 J	< 2.0	< 0.060	
MW-10A	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/16/2021	0.065 J	< 0.060	< 0.060	< 0.070	< 0.050	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	< 0.050	< 0.050	< 0.050	< 0.060	< 0.050	0.76	< 0.070	0.12 J	< 2.0	< 0.060	
MW-10A	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	11/12/2021	< 0.050	< 0.060	< 0.060	< 0.070	1.8	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	< 0.050	< 0.050	< 0.050	< 0.060	0.092 J	0.82	< 0.070	0.10 J	< 2.0	< 0.060	
MW-10A	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	03/01/2022	< 0.050	< 0.060	< 0.060	< 0.070	< 0.050	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	< 0.050	< 0.050	< 0.050	< 0.060	< 0.050	0.47 J	< 0.070	0.094 J	< 2.0	< 0.060	
MW-10A	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	05/12/2022	0.091 J	< 0.060	< 0.060	< 0.070	< 0.050	< 0.060	< 0.060	< 0.070	< 0.090	< 0.060	0.058 J	0.070 J	< 0.050	< 0.060	< 0.050	0.92	< 0.070	0.18 J	< 2.0	< 0.060	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-10A	08/22/2022	800.69	40.85	759.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/23/2022	800.69	40.85	759.84	-	0.64	<0.080	<0.080	<0.070	4.3	0.15 J	<0.10	<0.20	4.4 J	190	69 J	<0.10	<0.10	<0.080	<0.10	0.11 J	
MW-10B	05/23/2007	800.75	36.69	764.06	-	20	2 J	0.9 J	67	540	-	5 J	22	320	1,400	1,700	-	-	-	-	-	-
MW-10B	08/09/2007	800.75	40.93	759.82	-	9	<0.7	<0.8	27	230	-	1 J	8	150	780	850	-	-	-	-	-	-
MW-10B	11/08/2007	800.75	42.72	758.03	-	1 J	<0.7	<0.8	2 J	30	-	<0.8	1 J	27 J	120	7,100	-	-	-	-	-	-
MW-10B	02/22/2008	800.75	40.70	760.05	-	1 J	<0.7	<0.8	3 J	34	-	<0.8	1 J	31 J	120	3,200	-	-	-	-	-	-
MW-10B	05/15/2008	800.75	36.91	763.84	-	<0.5	<0.7	<0.8	<0.8	8	-	<0.8	<0.8	10 J	<20	650	-	-	-	-	-	-
MW-10B	08/14/2008	800.75	39.60	761.15	-	<0.5	<0.7	<0.8	<0.8	4 J	-	<0.8	<0.8	<10	<20	1,300	-	-	-	-	-	-
MW-10B	11/20/2008	800.75	41.44	759.31	-	<0.5	<0.7	<0.8	<0.8	5	-	<0.8	<0.8	<10	29 J	2,200	-	-	-	-	-	-
MW-10B	02/11/2009	800.75	40.15	760.60	-	<2	<2	<2	<2	15.5	-	<2	<2	<10	51.6	194	-	-	-	-	-	-
MW-10B	05/19/2009	800.75	37.90	762.85	-	<1	<1	<1	<1	1.96	-	<1	<1	<5	<25	<40	-	-	-	-	-	-
MW-10B	08/18/2009	800.75	40.49	760.26	-	<1	<1	<1	<1	1.89	-	<1	<1	<5	<25	<40	-	-	-	-	-	-
MW-10B	11/24/2009	800.75	37.40	763.35	-	<1	<1	<1	<1	<1	-	<1	<1	<5	44.8	254	-	-	-	-	-	-
MW-10B	02/18/2010	800.75	36.51	764.24	-	<1	<1	<1	<1	1.31	-	<1	<1	<5	41.8	252	-	-	-	-	-	-
MW-10B	05/20/2010	800.75	37.74	763.01	-	<1	<1	<1	<1	3	-	<1	<1	<5	<100	<300	-	-	-	-	-	-
MW-10B	06/03/2010	800.75	38.30	762.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/18/2010	800.75	40.84	759.91	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	359	-	-	-	-	-	-
MW-10B	11/24/2010	800.75	41.97	758.78	-	<1	<1	<1	<1	2.60	-	<1	<1	<5	<100	343	-	-	-	-	-	-
MW-10B	02/15/2011	800.75	42.84	757.91	-	2.35	<1	<1	<1	461	-	<1	12.8	213	353	334	-	-	-	-	-	-
MW-10B	04/25/2011	800.75	35.69	765.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	04/28/2011	800.75	36.03	764.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/26/2011	800.75	36.27	764.48	-	1.27	<1	<1	<1	155	-	<1	6.28	146	231	276	-	-	-	-	-	-
MW-10B	08/23/2011	800.75	40.62	760.13	-	3.81	<1	<1	1.53	141	-	<1	3.66	179	270	408	-	-	-	-	-	-
MW-10B	11/28/2011	800.75	36.52	764.23	-	4.28	<1	<1	<2	319	<1	1.69	8.06	322	115	<156	<1	<1	<1	<5	<1	
MW-10B	12/01/2011	800.75	36.75	764.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/06/2011	800.75	36.67	764.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/07/2011	800.75	37.16	763.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/08/2011	800.75	36.64	764.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/09/2011	800.75	35.97	764.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/13/2011	800.75	35.81	764.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/19/2011	800.75	35.15	765.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/28/2011	800.75	34.22	766.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/03/2012	800.75	34.80	765.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/09/2012	800.75	35.35	765.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/16/2012	800.75	35.65	765.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10A	08/23/2022	0.099 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	0.12 J	0.18 J	<0.10	<0.080	2.6	<0.080	<0.20	<2.0	<0.080	
MW-10B	05/23/2007	2 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/09/2007	1 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/08/2007	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/22/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/15/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/14/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/20/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/11/2009	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/19/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/18/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/24/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/18/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/20/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	06/03/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/18/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/24/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/15/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/26/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/23/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/28/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-10B	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/16/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-10B	01/18/2012	800.75	35.60	765.15	-	4.43	<1	<1	<2	314	<1	<1	7.79	332	453	<165	<1	<1	<1	<5	<1
MW-10B	01/24/2012	800.75	35.99	764.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/31/2012	800.75	36.51	764.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/08/2012	800.75	36.88	763.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/15/2012	800.75	37.09	763.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/22/2012	800.75	37.35	763.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/27/2012	800.75	37.81	762.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	03/05/2012	800.75	37.30	763.45	99.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	03/06/2012	800.75	37.65	763.10	99.97	4.97	<1	<1	<2	476	<1	2.19	10.2	507	394	<158	<1	<1	1 VH	<5	<1
MW-10B	04/06/2012	800.75	38.72	762.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/07/2012	800.75	39.78	760.97	99.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/11/2012	800.75	39.53	761.22	99.75	4.84	<1	<1	<2	225 VH	<1	<1	5.13	408	164	241	<1	<1	<1	<5	<1
MW-10B	06/05/2012	800.75	39.19	761.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	07/25/2012	800.75	40.09	760.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/20/2012	800.75	40.60	760.15	100.64	<2	<2	<2	<4	365	<2	<2	12	596	195	<159	<2	<2	<2	<10	<2
MW-10B	09/04/2012	800.75	39.30	761.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	10/25/2012	800.75	40.86	759.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/05/2012	800.75	36.62	764.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/07/2012	800.75	36.50	764.25	-	<2	<2	<2	<4	899 VH	<2	4.78 VH	21.8	1,310	238	205	<2	<2	<2	<10	<2
MW-10B	12/12/2012	800.75	38.13	762.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/22/2013	800.75	38.25	762.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/11/2013	800.75	35.70	765.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/14/2013	800.75	35.37	765.38	-	<2	<2	<2	<4	676 VH	<2	3.7	15.3 VH	989 VC	244	<162	<2	<2	2 VC	<10	<2
MW-10B	03/07/2013	800.75	36.70	764.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	04/18/2013	800.75	37.80	762.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/13/2013	800.75	38.20	762.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/16/2013	800.75	38.00	762.75	104.20	1.35	<1	<1	<2	441	<1	<1	9.42	435	626	<156	<1	<1	<1	<5	<1
MW-10B	06/03/2013	800.75	38.49	762.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	07/26/2013	800.75	39.11	761.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/05/2013	800.75	39.25	761.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10B	01/18/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.48	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-10B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	03/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.83	1.19	<1	1 VH	1.59 VH	<1	<1	<1	<1	<1
MW-10B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.19	1 VC	<1	<1	<1	<1	<1	<1	<1	<1
MW-10B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	08/20/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	4.76	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-10B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	11/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	6.32	2.48	<2	<2	3.06	<2	<2	<2	<2	<2
MW-10B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/14/2013	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	5.3 VC	2 VC	2 VC	2 VC	2.42 VC	<2	2 VH	<2	<2	<2
MW-10B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/16/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.47	1.03	<1	<1	1.6	<1	<1	<1	<1	<1
MW-10B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-10B	08/08/2013	800.75	39.00	761.75	-	<2	<2	<2	<4	213	<2	<2	4.78	300	345	659	<2.00	<2.00	<2	<10.0	<2
MW-10B	09/05/2013	800.75	39.86	760.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	10/08/2013	800.75	40.78	759.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/18/2013	800.75	40.57	760.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/19/2013	800.75	40.7	760.05	-	<2	<2	<2	<4	268	<2	2.16	7.78	728	418	30.3 J	<2.00	<2.00	<2	<10.0	<2
MW-10B	12/20/2013	800.75	39.44	761.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/23/2014	800.75	36.03	764.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/10/2014	800.75	36.75	764.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/24/2014	800.75	34.44	766.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/26/2014	800.75	35.00	765.75	-	<1	<1	<1	<2	7.37	<1	<1	<1	<5	36.7 J	622	<1.00	<1.00	<1	<5.00	<1
MW-10B	03/11/2014	800.75	33.98	766.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	03/21/2014	800.75	34.20	766.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	04/04/2014	800.75	34.70	766.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	04/21/2014	800.75	34.08	766.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/06/2014	800.75	33.45	767.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/07/2014	800.75	33.25	767.50	-	<1	<1	<1	<2	5.78	<1	<1	<1	<5	<13	1,060	<1.00	<1.00	<1	<5.00	<1
MW-10B	05/22/2014	800.75	32.77	767.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	06/09/2014	800.75	35.88	764.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	06/23/2014	800.75	35.74	765.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	07/10/2014	800.75	37.88	762.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/06/2014	800.75	38.93	761.82	-	<1	<1	<1	<2	23	<1	<1 2a	<1	97	33.7 J	632	<1.00	<1.00	<1	<5.00	<1
MW-10B	11/03/2014	800.75	42.10	758.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/05/2014	800.75	42.25	758.50	-	<1	<1	<1	<2	6.94	<1	<1	<1	8.76	19.4 J	1,090	<1.00	<1.00	<1	<5.00	<1
MW-10B	02/02/2015	800.75	40.90	759.85	-	0.1 J	<0.1	<0.1	<0.1	2.5	0.1 J	<0.1	<0.1	11	22 J	370	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	05/18/2015	800.75	37.29	763.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/19/2015	800.75	37.34	763.41	-	0.1 J	<0.1	<0.1	<0.1	3.1	<0.1	<0.1	<0.1	9.1 J	<20	220	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	08/10/2015	800.75	37.65	763.10	-	0.9	<0.1	<0.1	<0.1	25	<0.1	0.2 J	0.7	92	79	130	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	11/02/2015	800.75	38.02	762.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/05/2015	800.75	38.22	762.53	-	0.2 J	<0.1	<0.1	<0.1	4.9	<0.1	<0.1	0.2 J	15	30 J	79 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	03/09/2016	800.75	34.84	765.91	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	84 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	05/02/2016	800.75	35.12	765.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/06/2016	800.75	35.41	765.34	100	<0.1	<0.1	<0.1	<0.1	1.3	<0.1	<0.1	<0.1	<4.0	<20	220	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	08/01/2016	800.75	37.43	763.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/03/2016	800.75	37.20	763.55	-	0.6	<0.1	<0.1	<0.1	12	<0.1	<0.1	0.3 J	30	54	120	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	11/07/2016	800.75	41.63	759.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-10B	08/08/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	6.32	<2	<2	<2	3.26	<2	<2	<2.00	<2.00	
MW-10B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	11/19/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	4.16	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-10B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	02/26/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-10B	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-10B	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	06/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	08/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1 2a	<1	<1	<1.00	<1.00	
MW-10B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-10B	02/02/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1
MW-10B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	08/10/2015	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<1.0	<0.1
MW-10B	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<1.0	<0.1
MW-10B	03/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	05/06/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-10B	08/03/2016	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<1.0	<0.1
MW-10B	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-10B	11/10/2016	800.75	41.97	758.78	-	0.5	<0.1	<0.1	<0.1	10	<0.1	<0.1	0.2 J	12	33 J	47 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	01/23/2017	800.75	43.83	756.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/27/2017	800.75	43.44	757.31	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	04/05/2017	800.75	43.39	757.36	-	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<4.0	-	-	-	-	<0.1	-	<0.1
MW-10B	05/03/2017	800.75	40.74	760.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/09/2017	800.75	40.28	760.47	-	0.2 J	<0.1	<0.1	<0.1	2.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	07/31/2017	800.75	40.83	759.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/02/2017	800.75	41.03	759.72	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<4	<20	53 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	11/06/2017	800.75	41.25	759.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/08/2017	800.75	41.32	759.43	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	02/12/2018	800.75	42.88	757.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/14/2018	800.75	43.20	757.55	-	0.1 J	<0.1	<0.1	<0.1	1.9	<0.1	<0.1	<0.1	<4.0	<20	110	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	06/11/2018	800.75	35.76	764.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	06/15/2018	800.75	35.34	765.41	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	24 J	140	<0.1	<0.3	<0.1	<0.2	<0.1
MW-10B	08/20/2018	800.75	33.04	767.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/23/2018	800.75	33.97	766.78	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	160	<0.06	<0.06	<0.05	<0.2	<0.05
MW-10B	11/07/2018	800.75	35.86	764.89	-	0.1 J	<0.05	<0.05	<0.08	1.5	<0.09	<0.05	<0.3	2.0 J	16 J	160	<0.06	<0.06	<0.05	<0.2	<0.05
MW-10B	02/04/2019	800.75	34.52	766.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/06/2019	800.75	34.89	765.86	-	<0.5	<0.5	<0.5	<0.8	3.5 J	<0.9	<0.5	<3.0	<16	12 J	<53	<0.6	<0.6	<0.5	<2.0	<0.5
MW-10B	05/06/2019	800.75	37.03	763.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/07/2019	800.75	37.18	763.57	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	44 J	380	<0.06	<0.06	<0.05	<0.2	<0.05
MW-10B	08/26/2019	800.75	38.80	761.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/27/2019	800.75	38.80	761.95	-	<0.05	<0.05	<0.05	<0.1	<0.05	<0.09	<0.05	<0.3	<1.6	<11	91 J	<0.06	<0.06	<0.05	<0.2	<0.05
MW-10B	11/06/2019	800.75	40.30	760.45	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06
MW-10B	02/10/2020	800.75	38.82	761.93	-	<0.05	<0.07	<0.06	<0.2	<0.05	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06
MW-10B	04/27/2020	800.75	36.62	764.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/01/2020	800.75	37.45	763.30	-	<0.05	<0.07	<0.06	<0.2	0.06 J	<0.05	<0.05	<0.2	<1.1	<23	63 J	<0.07	<0.1	<0.06	<0.1	<0.06
MW-10B	07/27/2020	800.75	39.29	761.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	07/31/2020	800.75	39.46	761.29	-	<0.05	0.16 J	<0.06	<0.15	<0.05	<0.05	<0.05	<0.20	<1.1	<23	70 J	<0.07	<0.10	<0.06	<0.1	<0.06
MW-10B	11/03/2020	800.75	41.53	759.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/04/2020	800.75	42.08	758.67	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	01/29/2021	800.75	39.37	761.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/05/2021	800.75	39.30	761.45	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	05/11/2021	800.75	38.35	762.40	-	0.15 J	<0.070	<0.060	<0.15	1.5	<0.050	<0.050	<0.20	1.5 J	<23	61 J	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	08/09/2021	800.75	41.28	759.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-10B	11/10/2016	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<1.0	<0.1
MW-10B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	01/27/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	04/05/2017	<0.1	-	<0.1	-	-	<0.4	<0.1	<0.1	<0.1	<0.2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
MW-10B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1
MW-10B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	06/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-10B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-10B	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	0.2 J	<0.05	<0.05	<0.6	<0.05
MW-10B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/06/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5
MW-10B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/07/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	0.09 J	<0.05	<0.05	<0.05	<0.6	<0.05
MW-10B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
MW-10B	11/06/2019	<0.05	<0.06	<0.06	<0.07	<0.05	0.07 J	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	0.06 J	<0.06	<0.07	<0.06	<2.0	<0.06
MW-10B	02/10/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06
MW-10B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/01/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06
MW-10B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	07/31/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	0.14 J	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06
MW-10B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/04/2020	<0.050	<0.060	<0.060	<0.070	<0.050	0.063 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-10B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	02/05/2021	<0.050	<0.060	<0.060	<0.070	<0.050	0.073 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
MW-10B	05/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.21 J	<0.050	<0.060	<0.050	0.092 J	<0.070	<0.060	<2.0	<0.060
MW-10B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-10B	08/10/2021	800.75	41.28	759.47	-	0.17 J	0.12 J	<0.060	<0.15	1.3	<0.050	<0.050	<0.20	1.6 J	<23	91 J	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	11/09/2021	800.75	41.58	759.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/11/2021	800.75	41.98	758.77	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	02/22/2022	800.75	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	03/01/2022	800.75	42.02	758.73	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	05/10/2022	800.75	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/12/2022	800.75	39.94	760.81	-	<0.050	<0.070	<0.060	<0.15	<0.050	<0.050	<0.050	<0.20	<1.1	<23	59 J	<0.070	<0.10	<0.060	<0.10	<0.060
MW-10B	08/22/2022	800.75	39.62	761.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/23/2022	800.75	39.62	761.13	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<1400	<0.10	<0.10	<0.080	<0.10	<0.080
MW-11A	08/14/2008	795.52	46.39	749.13	-	<0.5	<0.7	<0.8	<0.8	580	-	1 J	9	<10	150	<31	-	-	-	-	-
MW-11A	11/21/2008	795.52	48.66	746.86	-	<0.5	<0.7	<0.8	<0.8	180	-	<0.8	1 J	<10	160	<35	-	-	-	-	-
MW-11A	02/12/2009	795.52	46.93	748.59	-	<1	<1	<1	<1	94.5	-	<1	<1	<5	53.7	155	-	-	-	-	-
MW-11A	05/19/2009	795.52	46.34	749.18	-	<1	<1	<1	<1	16.8	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-11A	08/18/2009	795.52	47.39	748.13	-	<1	<1	<1	<1	39.0	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-11A	11/24/2009	795.52	45.24	750.28	-	<1	<1	<1	<1	8.93	-	<1	<1	<5	50.3	100 J	-	-	-	-	-
MW-11A	02/18/2010	795.52	43.19	752.33	-	<1	<1	<1	<1	27.2	-	<1	<1	<5	34.9	60.6	-	-	-	-	-
MW-11A	05/20/2010	795.52	44.31	751.21	-	<1	<1	<1	<1	32.3	-	<1	<1	<5	<100	<300	-	-	-	-	-
MW-11A	06/03/2010	795.52	45.00	750.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/18/2010	795.52	47.64	747.88	-	<1	<1	<1	<1	5.44	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-11A	11/23/2010	795.52	49.17	746.35	-	<1	<1	<1	<1	5.89	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-11A	02/16/2011	795.52	49.59	745.93	-	<1	<1	<1	<1	4.45	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-11A	04/25/2011	795.52	43.55	751.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/28/2011	795.52	43.44	752.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/27/2011	795.52	43.20	752.32	-	<1	<1	<1	<1	8.49	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-11A	08/24/2011	795.52	46.98	748.54	-	<1	<1	<1	<1	3.95	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-11A	11/28/2011	795.52	44.19	751.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/01/2011	795.52	44.10	751.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/02/2011	795.52	44.25	751.27	-	<2	<2	<2	<4	3.54	<2.00	<2.00	<2.00	<10.0	<100	<168	<2	<2	<2	<10	<2
MW-11A	12/06/2011	795.52	43.89	751.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/07/2011	795.52	43.73	751.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/08/2011	795.52	44.00	751.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/09/2011	795.52	44.28	751.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/13/2011	795.52	43.68	751.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/19/2011	795.52	43.70	751.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-10B	08/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	0.060 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.10 J	<0.070	<0.060	<2.0	<0.060	
MW-10B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	11/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	0.086 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-10B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	03/01/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-10B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-10B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10B	08/23/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-11A	08/14/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/21/2008	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/12/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/19/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/18/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/24/2009	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/18/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/20/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	06/03/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/18/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/23/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/16/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/27/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/24/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/02/2011	2 V4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-11A	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-11A	12/28/2011	795.52	43.17	752.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/03/2012	795.52	43.80	751.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/09/2012	795.52	44.28	751.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/16/2012	795.52	44.71	750.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/19/2012	795.52	44.51	751.01	-	<1	<1	<1	<2	1.21	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-11A	01/24/2012	795.52	44.63	750.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/31/2012	795.52	44.91	750.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/08/2012	795.52	45.85	749.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/15/2012	795.52	45.34	750.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/22/2012	795.52	45.31	750.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/27/2012	795.52	45.35	750.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	03/05/2012	795.52	45.81	749.71	54.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	03/07/2012	795.52	46.10	749.42	59.20	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<154	<1	<1	<1	<5	<1	<1
MW-11A	04/06/2012	795.52	46.36	749.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/07/2012	795.52	47.35	748.17	55.77	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	183	<2	<2	<2	<10	<2	<2
MW-11A	06/05/2012	795.52	47.29	748.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	07/25/2012	795.52	48.00	747.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/20/2012	795.52	48.33	747.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/21/2012	795.52	48.36	747.16	59.30	<1	<1	<1	<2	1.6	<1	<1	<1	<5	<100	<165	<1	<1	<1	<5	<1	<1
MW-11A	09/04/2012	795.52	48.42	747.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	10/25/2012	795.52	48.62	746.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/05/2012	795.52	46.76	748.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/06/2012	795.52	46.63	748.89	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-11A	12/12/2012	795.52	45.70	749.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/22/2013	795.52	45.99	749.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/11/2013	795.52	44.48	751.04	59.21	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1
MW-11A	03/07/2013	795.52	44.20	751.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/18/2013	795.52	44.55	750.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/14/2013	795.52	45.18	750.34	-	<1	<1	<1	<2	2.60	<1	<1	<1	<5	<100	<165	<1	<1	1.49	<5	<1	<1
MW-11A	06/03/2013	795.52	45.48	750.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	07/26/2013	795.52	46.70	748.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/05/2013	795.52	46.84	748.68	59.27	<2	<2	<2	<4	3.22	<2	<2	<2	<10	<100	138 J	<2.00	<2.00	<2	<10.0	<2	<2
MW-11A	09/05/2013	795.52	47.05	748.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	10/08/2013	795.52	47.58	747.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/18/2013	795.52	47.44	748.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-11A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	05/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	2 VH	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	
MW-11A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/11/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	05/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/05/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-11A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-11A	11/19/2013	795.52	47.5	748.02	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1
MW-11A	12/20/2013	795.52	47.41	748.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/24/2014	795.52	43.85	751.67	59.25	<1	<1	<1	<2	1.58	<1	<1	<1	<5	<9.35	<27.9	<1.00	<1.00	<1	<5.00	<1
MW-11A	05/06/2014	795.52	40.63	754.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/08/2014	795.52	40.91	754.61	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<24.6	<1.00	<1.00	<1	<5.00	<1
MW-11A	08/06/2014	795.52	45.39	750.13	-	<1	<1	<1	<2	4.84	<1	<1	<1	<5	<13	<24.8	<1.00	<1.00	<1	<5.00	<1
MW-11A	11/03/2014	795.52	48.06	747.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/04/2014	795.52	48.04	747.48	-	<1	<1	<1	<2	2.15	<1	<1	<1	<5	<13	31.4 J	<1.00	<1.00	<1	<5.00	<1
MW-11A	02/02/2015	795.52	48.37	747.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/03/2015	795.52	48.79	746.73	-	<0.1	<0.1	<0.1	<0.1	1.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	03/19/2015	795.52	47.52	748.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/08/2015	795.52	47.26	748.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/18/2015	795.52	47.09	748.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/19/2015	795.52	47.06	748.46	-	<0.1	<0.1	<0.1	<0.1	1.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	08/10/2015	795.52	48.34	747.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/11/2015	795.52	48.35	747.17	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	11/02/2015	795.52	49.07	746.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/04/2015	795.52	49.15	746.37	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	02/08/2016	795.52	46.68	748.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/11/2016	795.52	46.09	749.43	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	05/02/2016	795.52	45.32	750.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/04/2016	795.52	45.21	750.31	60	<0.1	<0.1	<0.1	<0.1	1.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	08/01/2016	795.52	47.77	747.75	-	<0.1	<0.1	<0.1	<0.1	1.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	11/07/2016	795.52	48.70	746.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/08/2016	795.52	48.58	746.94	-	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	01/23/2017	795.52	49.14	746.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/24/2017	795.52	48.04	747.48	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	05/03/2017	795.52	47.17	748.35	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	07/31/2017	795.52	47.00	748.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/01/2017	795.52	47.05	748.47	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	11/06/2017	795.52	46.93	748.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/08/2017	795.52	47.10	748.42	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	02/12/2018	795.52	48.34	747.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/14/2018	795.52	48.06	747.46	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	06/11/2018	795.52	43.02	752.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-11A	11/19/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11A	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11A	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11A	08/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	03/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	08/01/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/24/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-11A	06/13/2018	795.52	42.76	752.76	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11A	08/20/2018	795.52	40.90	754.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/21/2018	795.52	40.98	754.54	-	<0.05	<0.05	<0.05	<0.08	0.4 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-11A	11/07/2018	795.52	42.95	752.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/04/2019	795.52	41.20	754.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/06/2019	795.52	43.68	751.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/26/2019	795.52	45.84	749.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/05/2019	795.52	47.50	748.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/03/2020	795.52	46.61	748.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	04/27/2020	795.52	44.98	750.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	07/27/2020	795.52	45.98	749.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/03/2020	795.52	48.48	747.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	01/29/2021	795.52	47.55	747.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/11/2021	795.52	45.09	750.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/09/2021	795.52	47.43	748.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	11/09/2021	795.52	48.62	746.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	02/22/2022	795.52	49.23	746.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	05/10/2022	795.52	47.41	748.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/22/2022	795.52	43.85	751.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11A	08/26/2022	795.52	49.18	746.34	-	<0.10	<0.080	<0.080	<0.070	0.81	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080
MW-11B	08/14/2008	795.22	43.58	751.64	-	<0.5	<0.7	<0.8	<0.8	12	-	<0.8	<0.8	<10	<20	420	-	-	-	-	-
MW-11B	11/21/2008	795.22	46.23	748.99	-	<0.5	<0.7	<0.8	<0.8	10	-	<0.8	<0.8	14 J	<20	490	-	-	-	-	-
MW-11B	02/12/2009	795.22	44.30	750.92	-	<1	<1	<1	<1	7.93	-	<1	<1	<5	<25	212	-	-	-	-	-
MW-11B	05/19/2009	795.22	43.50	751.72	-	<1	<1	<1	<1	8.5	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-11B	08/18/2009	795.22	44.72	750.50	-	<1	<1	<1	<1	9.68	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-11B	11/24/2009	795.22	42.30	752.92	-	<1	<1	<1	<1	7.26	-	<1	<1	8.29	45.3	120 J	-	-	-	-	-
MW-11B	02/18/2010	795.22	40.43	754.79	-	<1	<1	<1	<1	7.86	-	<1	<1	8.71	38.6	185	-	-	-	-	-
MW-11B	05/20/2010	795.22	41.65	753.57	-	<1	<1	<1	<1	6.35	-	<1	<1	<5	<100	<300	-	-	-	-	-
MW-11B	06/03/2010	795.22	42.18	753.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/18/2010	795.22	45.05	750.17	-	<1	<1	<1	<1	5.02	-	<1	<1	<5	<100	296	-	-	-	-	-
MW-11B	11/23/2010	795.22	46.81	748.41	-	<1	<1	<1	<1	5.30	-	<1	<1	<5	<100	183	-	-	-	-	-
MW-11B	02/16/2011	795.22	51.70	743.52	-	<1	<1	<1	<1	621	-	-	-	<5	320	<150	-	-	-	-	-
MW-11B	04/25/2011	795.22	40.66	754.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	04/28/2011	795.22	41.04	754.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/27/2011	795.22	40.23	754.99	-	<1	<1	<1	<1	318	-	<1	4.87	<5	411	<150	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-11A	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11A	08/20/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-11A	11/07/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/04/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	05/06/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/26/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	11/05/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	04/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	07/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	11/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	01/29/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	05/11/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11A	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	0.13 J	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-11B	08/14/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/21/2008	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/12/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/19/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	08/18/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/24/2009	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/18/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/20/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	06/03/2010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	08/18/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/23/2010	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/16/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/27/2011	Δ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-11B	08/24/2011	795.22	43.60	751.62	-	<1	<1	<1	<1	330	-	1.97	3.37	<5	323	<150	-	-	-	-	-
MW-11B	11/28/2011	795.22	40.71	754.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/01/2011	795.22	40.75	754.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/02/2011	795.22	41.40	753.82	-	<2	<2	<2	<4	123	<2.00	<2.00	<2.00	<10.0	<100	<174	<2	<2	<2	<10	<2
MW-11B	12/06/2011	795.22	40.75	754.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/07/2011	795.22	40.90	754.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/08/2011	795.22	40.98	754.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/09/2011	795.22	41.49	753.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/13/2011	795.22	40.46	754.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/19/2011	795.22	41.98	753.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	12/28/2011	795.22	40.00	755.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/03/2012	795.22	41.02	754.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/09/2012	795.22	41.49	753.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/16/2012	795.22	41.87	753.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/19/2012	795.22	41.66	753.56	-	<1	<1	<1	<2	45.3	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
MW-11B	01/24/2012	795.22	41.85	753.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/31/2012	795.22	41.97	753.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/08/2012	795.22	42.33	752.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/15/2012	795.22	42.38	752.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/22/2012	795.22	42.48	752.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/27/2012	795.22	42.05	753.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	03/05/2012	795.22	42.85	752.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	03/07/2012	795.22	43.21	752.01	105.63	<1	<1	<1	<2	45.1	<1	<1	<1	<5	<100	<162	<1	<1	<1	<5	<1
MW-11B	04/06/2012	795.22	43.22	752.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/07/2012	795.22	44.31	750.91	100.05	<2	<2	<2	-	19 VH	<2	<2	<2	<10	<100	166	<2	<2	<2	<10	<2
MW-11B	06/05/2012	795.22	44.06	751.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	07/25/2012	795.22	44.97	750.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/20/2012	795.22	45.34	749.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/21/2012	795.22	45.31	749.91	99.72	<1	<1	<1	<2	13.6	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
MW-11B	09/04/2012	795.22	45.47	749.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	10/25/2012	795.22	45.40	749.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/05/2012	795.22	43.25	751.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/06/2012	795.22	43.16	752.06	-	<1	<1	<1	<2	10.7	<1.00	<1.00	<1.00	<5.00	<100	<153	<1	<1	<1	<5	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-11B	08/24/2011	<1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	11/28/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/01/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/02/2011	2 V4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-11B	12/06/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/07/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/08/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/09/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/13/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/19/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	12/28/2011	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	01/03/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	01/09/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	01/16/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-11B	01/24/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	01/31/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	02/08/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	02/15/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	02/22/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	02/27/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	03/05/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-11B	04/06/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	05/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2
MW-11B	06/05/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	07/25/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	08/20/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1
MW-11B	09/04/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	10/25/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	11/05/2012	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
MW-11B	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-11B	12/12/2012	795.22	42.41	752.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/22/2013	795.22	42.90	752.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/11/2013	795.22	40.80	754.42	-	<1	<1	<1	<2	13.2	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1	<1
MW-11B	03/07/2013	795.22	40.86	754.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	04/18/2013	795.22	41.46	753.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/13/2013	795.22	41.79	753.43	100.20	<1	<1	<1	<2	10.1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-11B	06/03/2013	795.22	42.32	752.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	07/26/2013	795.22	43.35	751.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/05/2013	795.22	43.50	751.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/06/2013	795.22	43.59	751.63	100.20	<2	<2	<2	<4	12.5	<2	<2	<2	<10	15.3 J	183	<2.00	<2.00	<2	<10.0	<2	<2
MW-11B	09/05/2013	795.22	43.75	751.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	10/08/2013	795.22	44.37	750.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/18/2013	795.22	44.71	750.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/19/2013	795.22	44.47	750.75	-	<1	<1	<1	<2	3.82	<1	<1	<1	<5	10.2 J	<27.1	<1.00	<1.00	<1	<5.00	<1	<1
MW-11B	12/20/2013	795.22	44.27	750.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/24/2014	795.22	40.94	754.28	-	<1	<1	<1	<2	7.09	<1	<1	<1	<5	16.2 J	<28.5	<1.00	<1.00	<1	<5.00	<1	<1
MW-11B	05/06/2014	795.22	37.32	757.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/08/2014	795.22	37.70	757.52	-	<1	<1	<1	<2	6.35	<1	<1	<1	<5	15 J	<25.3	<1.00	<1.00	<1	<5.00	<1	<1
MW-11B	08/06/2014	795.22	41.96	753.26	-	<1	<1	<1	<2	70.7	<1	<1	<1	<5	<13	178	<1.00	<1.00	<1	<5.00	<1	<1
MW-11B	11/03/2014	795.22	44.88	750.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/04/2014	795.22	44.90	750.32	-	<1	<1	<1	<2	3.92	<1	<1	<1	<5	<13	29.3 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-11B	02/02/2015	795.22	45.56	749.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/03/2015	795.22	45.54	749.68	-	<0.1	<0.1	<0.1	<0.1	48	<0.1	0.3 J	0.6	<4.0	60	160	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-11B	03/19/2015	795.22	44.40	750.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	04/08/2015	795.22	44.07	751.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/18/2015	795.22	44.03	751.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/19/2015	795.22	44.00	751.22	-	<0.1	<0.1	<0.1	<0.1	4.2	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-11B	08/10/2015	795.22	44.86	750.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/11/2015	795.22	44.95	750.27	-	<0.1	<0.1	<0.1	<0.1	2.6	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-11B	11/02/2015	795.22	45.74	749.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/04/2015	795.22	45.80	749.42	-	<0.1	<0.1	<0.1	<0.1	37	<0.1	0.2 J	0.4 J	<4	49 J	110	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-11B	02/08/2016	795.22	43.67	751.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/11/2016	795.22	42.95	752.27	-	<0.1	<0.1	<0.1	<0.1	2.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-11B	05/02/2016	795.22	42.09	753.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/04/2016	795.22	41.86	753.36	100	<0.1	<0.1	<0.1	<0.1	28	<0.1	0.2 J	0.4 J	<4.0	40 J	140	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-11B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/11/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-11B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-11B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/19/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11B	08/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-11B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11B	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11B	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11B	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	11/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11B	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-11B	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-11B	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-11B	08/01/2016	795.22	44.27	750.95	-	<0.1	<0.1	<0.1	<0.1	26	<0.1	0.2 J	0.3 J	<4.0	39 J	82 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	11/07/2016	795.22	45.62	749.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/08/2016	795.22	45.56	749.66	-	<0.1	<0.1	<0.1	<0.1	2.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	01/23/2017	795.22	46.82	748.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/24/2017	795.22	46.85	748.37	-	<0.1	<0.1	<0.1	<0.1	25	<0.1	0.2 J	0.3 J	<4.0	37 J	52 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	05/03/2017	795.22	44.36	750.86	-	<0.1	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	07/31/2017	795.22	43.93	751.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/01/2017	795.22	43.88	751.34	-	<0.1	<0.1	<0.1	<0.1	9.5	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	11/06/2017	795.22	45.07	750.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/08/2017	795.22	44.90	750.32	-	<0.1	<0.1	<0.1	<0.1	14	<0.1	<0.1	0.1 J	<4.0	28 J	71 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	02/12/2018	795.22	46.23	748.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/14/2018	795.22	46.13	749.09	-	<0.1	<0.1	<0.1	<0.1	17	<0.1	<0.1	0.1 J	<4.0	20 J	73 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	06/11/2018	795.22	40.04	755.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	06/13/2018	795.22	39.91	755.31	-	<0.1	<0.1	<0.1	<0.1	16	<0.1	<0.1	0.1 J	<4.0	25 J	70 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-11B	08/20/2018	795.22	37.28	757.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/21/2018	795.22	37.38	757.84	-	<0.05	<0.05	<0.05	<0.08	0.9	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-11B	11/07/2018	795.22	39.45	755.77	-	<0.05	<0.05	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-11B	02/04/2019	795.22	37.91	757.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/06/2019	795.22	37.84	757.38	-	<0.05	<0.05	<0.05	<0.08	0.8	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-11B	05/06/2019	795.22	40.15	755.07	-	<0.05	<0.05	<0.05	<0.08	2.9	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-11B	08/26/2019	795.22	42.32	752.90	-	<0.05	<0.05	<0.05	<0.1	3.1	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-11B	11/05/2019	795.22	44.14	751.08	-	<0.05	<0.07	<0.06	<0.2	2.4	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-11B	02/03/2020	795.22	43.37	751.85	-	<0.05	<0.07	<0.06	<0.2	5.4	<0.05	<0.05	<0.2	1.3 J	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-11B	04/27/2020	795.22	41.60	753.62	-	<0.05	<0.07	<0.06	<0.2	0.6	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06
MW-11B	07/27/2020	795.22	42.68	752.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	07/30/2020	795.22	42.71	752.51	-	0.052 J	0.22 J	<0.060	<0.15	8.3	<0.050	0.055 J	<0.20	<1.1	23 J	<59	<0.07	<0.10	<0.06	<0.1	<0.06
MW-11B	11/03/2020	795.22	45.43	749.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/04/2020	795.22	45.44	749.78	-	<0.050	<0.070	<0.060	<0.15	1.5	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-11B	01/29/2021	795.22	44.15	751.07	-	<0.050	<0.070	<0.060	<0.15	2	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-11B	05/11/2021	795.22	41.70	753.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/12/2021	795.22	41.78	753.44	-	<0.050	<0.070	<0.060	<0.15	3.9	0.078 J	<0.050	<0.20	1.7 J	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-11B	08/09/2021	795.22	44.23	750.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/11/2021	795.22	44.25	750.97	-	<0.050	<0.070	<0.060	<0.15	2.4	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-11B	11/09/2021	795.22	45.61	749.61	-	<0.050	<0.070	<0.060	<0.15	2.9	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-11B	02/22/2022	795.22	46.33	748.89	-	<0.050	<0.070	<0.060	<0.15	3.4	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-11B	08/01/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-11B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	01/24/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-11B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-11B	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-11B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	02/06/2019	0.05 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-11B	05/06/2019	0.07 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-11B	08/26/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
MW-11B	11/05/2019	0.05 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-11B	02/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-11B	04/27/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-11B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	07/30/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	0.075 J	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-11B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	11/04/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-11B	01/29/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-11B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	05/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-11B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	0.13 J	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-11B	11/09/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-11B	02/22/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-11B	05/10/2022	795.22	44.28	750.94	-	<0.050	<0.070	<0.060	<0.15	2.6	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-11B	08/22/2022	795.22	43.87	751.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/23/2022	795.22	44.12	751.10	-	<0.10	<0.080	<0.080	<0.070	0.32 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-12B	08/14/2008	800.28	56.45	743.83	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	16 J	<20	1,100	-	-	-	-	-
MW-12B	11/20/2008	800.28	46.12	754.16	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	20 J	22 J	3,300	-	-	-	-	-
MW-12B	02/10/2009	800.28	44.47	755.81	-	<1	<1	<1	<1	<1	-	<1	<1	15.6	<25	380	-	-	-	-	-
MW-12B	05/19/2009	800.28	44.12	756.16	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	208 J	-	-	-	-	-
MW-12B	08/18/2009	800.28	44.88	755.40	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-12B	11/24/2009	800.28	41.79	758.49	-	<1	<1	<1	<1	<1	-	<1	<1	17.1	43.5	186 J	-	-	-	-	-
MW-12B	02/18/2010	800.28	39.10	761.18	-	<1	<1	<1	<1	<1	-	<1	<1	18.5	38.8	377	-	-	-	-	-
MW-12B	05/20/2010	800.28	39.42	760.86	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	401	-	-	-	-	-
MW-12B	06/03/2010	800.28	41.88	758.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/18/2010	800.28	43.39	756.89	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	779	-	-	-	-	-
MW-12B	11/23/2010	800.28	45.42	754.86	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	608	-	-	-	-	-
MW-12B	02/15/2011	800.28	46.25	754.03	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	163	-	-	-	-	-
MW-12B	04/25/2011	800.28	40.30	759.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	04/28/2011	800.28	39.83	760.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/26/2011	800.28	36.56	763.72	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	201	-	-	-	-	-
MW-12B	08/22/2011	800.28	40.33	759.95	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	215	-	-	-	-	-
MW-12B	11/28/2011	800.28	38.30	761.98	100.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/30/2011	800.28	37.98	762.30	-	<1	<1	<1	<2	<1	<1	<1	<1	13 D1	<100	<181	<1	<1	<1	<5	<1
MW-12B	12/01/2011	800.28	37.54	762.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/06/2011	800.28	39.75	760.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/07/2011	800.28	39.51	760.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/08/2011	800.28	38.22	762.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/09/2011	800.28	38.24	762.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/13/2011	800.28	38.31	761.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/28/2011	800.28	37.91	762.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/03/2012	800.28	38.15	762.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/09/2012	800.28	38.30	761.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/16/2012	800.28	38.40	761.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/17/2012	800.28	38.35	761.93	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<162	<1	<1	<1	<5	<1
MW-12B	01/24/2012	800.28	39.51	760.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/31/2012	800.28	39.43	760.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/15/2012	800.28	39.85	760.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-11B	05/10/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.060	<0.050	<0.060	<0.060	<0.070	<0.060	<2.0	<0.060
MW-11B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11B	08/23/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080
MW-12B	08/14/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/20/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/10/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/19/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/18/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/24/2009	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/18/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/20/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	06/03/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/18/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/23/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/15/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/26/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/22/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/30/2011	1 V4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-12B	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/16/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-12B	01/24/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/31/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/15/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-12B	02/22/2012	800.28	40.08	760.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/27/2012	800.28	40.08	760.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	03/05/2012	800.28	40.07	760.21	100.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	03/06/2012	800.28	40.14	760.14	100.07	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	239	<1	<1	<1	<5	<1	<1
MW-12B	04/06/2012	800.28	42.01	758.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/07/2012	800.28	42.30	757.98	100.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/11/2012	800.28	42.04	758.24	100.70	<1	<1	<1	<2	<1	<1	<1	<1	11.1	<100	431	<1	<1	<1	<5	<1	<1
MW-12B	06/05/2012	800.28	41.75	758.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	07/25/2012	800.28	42.09	758.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/20/2012	800.28	42.75	757.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/23/2012	800.28	42.76	757.52	100.70	<1	<1	<1	<2	<1	<1	<1	<1	12	<100	564 QB	<1	<1	<1	<5	<1	<1
MW-12B	09/04/2012	800.28	43.86	756.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	10/25/2012	800.28	43.42	756.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/05/2012	800.28	41.74	758.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/09/2012	800.28	41.76	758.52	100.67	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	477	<1	<1	<1	<5	<1	<1
MW-12B	12/12/2012	800.28	42.52	757.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/22/2013	800.28	41.95	758.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/11/2013	800.28	40.65	759.63	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1
MW-12B	03/07/2013	800.28	41.57	758.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	04/18/2013	800.28	40.03	760.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/13/2013	800.28	39.55	760.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/15/2013	800.28	39.64	760.64	106.50	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1
MW-12B	06/03/2013	800.28	41.27	759.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	07/26/2013	800.28	39.57	760.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/05/2013	800.28	39.68	760.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/07/2013	800.28	39.84	760.44	106.72	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	559	<1.00	<1.00	<1	<5.00	<1	<1
MW-12B	09/05/2013	800.28	43.34	756.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	10/08/2013	800.28	42.38	757.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/18/2013	800.28	41.92	758.36	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	9.42 J	509	<1.00	<1.00	<1	<5.00	<1	<1
MW-12B	12/20/2013	800.28	43.70	756.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/24/2014	800.28	39.42	760.86	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	347	<1.00	<1.00	<1	<5.00	<1	<1
MW-12B	08/05/2014	800.28	38.68	761.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/03/2014	800.28	43.11	757.17	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	22.2 J	323	<1.00	<1.00	<1	<5.00	<1	<1
MW-12B	02/02/2015	800.28	43.22	757.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-12B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	03/06/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-12B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	05/11/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	1 VH	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-12B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	08/23/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-12B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	11/09/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	1 VH	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-12B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	02/11/2013	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-12B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	05/15/2013	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-12B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	08/07/2013	Δ	<1.00	Δ	<1.00	<1.00	Δ	Δ	Δ	Δ	Δ	<1.00	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<1 VC	<1.00	<1.00
MW-12B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	11/18/2013	Δ	<1.00	Δ	<1.00	<1.00	Δ	Δ	Δ	Δ	Δ	<1.00	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<1.00	<1.00	<1.00
MW-12B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	02/24/2014	Δ	<1.00	Δ	<1.00	<1.00	Δ	Δ	Δ	Δ	Δ	<1.00	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<1.00	<1.00	<1.00
MW-12B	08/05/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-12B	11/03/2014	Δ	<1.00	Δ	<1.00	<1.00	Δ	Δ	Δ	Δ	Δ	<1.00	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<1.00	<1.00	<1.00
MW-12B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-12B	05/18/2015	800.28	42.03	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/20/2015	800.28	41.78	758.50	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4	<20	100	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-12B	08/10/2015	800.28	41.32	758.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/02/2015	800.28	41.88	758.40	100.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	
MW-12B	02/08/2016	800.28	41.22	759.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/02/2016	800.28	38.70	761.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/04/2016	800.28	38.31	761.97	100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	7.1 J	<20	130	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-12B	08/01/2016	800.28	42.15	758.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/07/2016	800.28	43.97	756.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/08/2016	800.28	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	<0.1
MW-12B	01/23/2017	800.28	43.13	757.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/25/2017	800.28	42.09	758.19	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	<0.1
MW-12B	05/03/2017	800.28	42.77	757.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/04/2017	800.28	42.75	757.53	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	78 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	<0.1
MW-12B	07/31/2017	800.28	40.88	759.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/06/2017	800.28	43.20	757.08	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	68 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	<0.1
MW-12B	02/12/2018	800.28	45.10	755.18	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	57 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	<0.1
MW-12B	06/11/2018	800.28	42.15	758.13	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	71 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1	<0.1
MW-12B	08/20/2018	800.28	39.28	761.00	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	1.9 J	<11	70 J	<0.06	<0.06	<0.05	<0.2	<0.05	<0.05
MW-12B	11/07/2018	800.28	36.90	763.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/04/2019	800.28	32.92	767.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/06/2019	800.28	33.55	766.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/26/2019	800.28	36.86	763.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/05/2019	800.28	40.86	759.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/03/2020	800.28	39.08	761.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	04/27/2020	800.28	36.47	763.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	07/27/2020	800.28	38.29	761.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/03/2020	800.28	43.16	757.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/29/2021	800.28	43.98	756.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/11/2021	800.28	41.00	759.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/09/2021	800.28	42.38	757.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/09/2021	800.28	43.98	756.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/22/2022	800.28	45.59	754.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/10/2022	800.28	45.17	755.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/22/2022	800.28	43.79	756.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-12B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/02/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/04/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/06/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	02/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	06/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-12B	08/20/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-12B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-12B	08/24/2022	800.28	43.70	756.58	-	<0.10	0.098 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-13A	08/14/2008	801.74	41.85	759.89	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	150	-	-	-	-	-
MW-13A	11/20/2008	801.74	46.01	755.73	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	<10	<20	84 J	-	-	-	-	-
MW-13A	02/11/2009	801.74	49.08	752.66	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-13A	05/18/2009	801.74	44.79	756.95	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-13A	08/18/2009	801.74	44.12	757.62	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	210 J	-	-	-	-	-
MW-13A	11/23/2009	801.74	42.18	759.56	-	<1	<1	<1	<1	<1	-	<1	<1	<5	36.4	78.0	-	-	-	-	-
MW-13A	02/17/2010	801.74	38.33	763.41	-	<1	<1	<1	<1	<1	-	<1	<1	<5	35.4	125	-	-	-	-	-
MW-13A	05/20/2010	801.74	35.56	766.18	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<300	-	-	-	-	-
MW-13A	06/03/2010	801.74	37.35	764.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/17/2010	801.74	41.36	760.38	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-13A	11/22/2010	801.74	44.96	756.78	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-13A	02/15/2011	801.74	45.94	755.80	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-13A	04/25/2011	801.74	39.40	762.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	04/28/2011	801.74	38.61	763.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/26/2011	801.74	36.90	764.84	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<600	-	-	-	-	-
MW-13A	08/23/2011	801.74	40.37	761.37	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-13A	11/28/2011	801.74	37.72	764.02	60.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/30/2011	801.74	37.68	764.06	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<168	<1	<1	<1	<5	<1
MW-13A	12/01/2011	801.74	37.83	763.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/06/2011	801.74	37.36	764.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/07/2011	801.74	37.17	764.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/08/2011	801.74	37.47	764.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/09/2011	801.74	37.35	764.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/13/2011	801.74	37.11	764.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/19/2011	801.74	36.55	765.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	12/28/2011	801.74	35.96	765.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/03/2012	801.74	35.95	765.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/09/2012	801.74	36.20	765.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/16/2012	801.74	36.44	765.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/17/2012	801.74	36.20	765.54	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<165	<1	<1	<1	<5	<1
MW-13A	01/24/2012	801.74	36.34	765.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/31/2012	801.74	36.56	765.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/08/2012	801.74	36.81	764.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/15/2012	801.74	36.95	764.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-12B	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	0.22 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	0.37 J	<2.0	<0.080	
MW-13A	08/14/2008	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/20/2008	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/11/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/23/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/20/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	06/03/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/22/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/15/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/26/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/23/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/30/2011	1 V4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13A	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	01/17/2012	<1	<1	<1	<1	<1	.	<1	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13A	01/24/2012
MW-13A	01/31/2012
MW-13A	02/08/2012
MW-13A	02/15/2012



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-13A	02/22/2012	801.74	36.68	765.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/27/2012	801.74	37.09	764.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	03/05/2012	801.74	37.34	764.40	60.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	03/06/2012	801.74	37.65	764.09	60.19	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<160	<1	<1	1 VH	<5	<1	
MW-13A	04/06/2012	801.74	38.43	763.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/07/2012	801.74	39.90	761.84	64.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/09/2012	801.74	39.30	762.44	64.05	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-13A	06/05/2012	801.74	40.41	761.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	07/25/2012	801.74	42.21	759.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/20/2012	801.74	43.03	758.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/23/2012	801.74	43.39	758.35	60.89	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-13A	09/04/2012	801.74	43.40	758.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	10/25/2012	801.74	44.61	757.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/05/2012	801.74	42.65	759.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/08/2012	801.74	42.35	759.39	60.85	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-13A	12/12/2012	801.74	41.70	760.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/22/2013	801.74	41.92	759.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/11/2013	801.74	40.05	761.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/12/2013	801.74	40.11	761.63	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-13A	03/07/2013	801.74	38.68	763.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	04/18/2013	801.74	37.75	763.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/13/2013	801.74	37.89	763.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/14/2013	801.74	38.04	763.70	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<158	<1	<1	<1	<5	<1	
MW-13A	06/03/2013	801.74	38.14	763.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	07/26/2013	801.74	37.63	764.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/05/2013	801.74	37.91	763.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/06/2013	801.74	38.00	763.74	60.98	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	38.8 J	<1.00	<1.00	<1	<5.00	<1	
MW-13A	09/05/2013	801.74	38.50	763.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	10/08/2013	801.74	39.52	762.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/18/2013	801.74	40.77	760.97	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	59.2 J	<1.00	<1.00	<1	<5.00	<1	
MW-13A	12/20/2013	801.74	40.96	760.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/24/2014	801.74	36.53	765.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/25/2014	801.74	36.48	765.26	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	39.9 J	<1.00	<1.00	<1	<5.00	<1	
MW-13A	08/05/2014	801.74	35.43	766.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/03/2014	801.74	39.87	761.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-13A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	03/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	1 VH	<1	<1	<1	<1	
MW-13A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 QB	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	
MW-13A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-13A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	
MW-13A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	05/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	08/06/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	
MW-13A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/18/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-13A	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-13A	08/05/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13A	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-13A	11/05/2014	801.74	39.88	761.86	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	58.6 J	<1.00	<1.00	<1	<5.00	<1
MW-13A	02/02/2015	801.74	40.73	761.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/18/2015	801.74	39.53	762.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/19/2015	801.74	39.47	762.27	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	08/10/2015	801.74	39.69	762.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/02/2015	801.74	41.27	760.47	60.3	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	02/08/2016	801.74	41.67	760.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/02/2016	801.74	40.11	761.63	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/03/2016	801.74	39.72	762.02	60	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	08/01/2016	801.74	41.67	760.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/07/2016	801.74	43.80	757.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/10/2016	801.74	43.96	757.78	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	01/23/2017	801.74	45.75	755.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/25/2017	801.74	45.66	756.08	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	05/03/2017	801.74	44.5	757.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/04/2017	801.74	44.64	757.10	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	07/31/2017	801.74	43.70	758.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/06/2017	801.74	45.08	756.66	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	02/12/2018	801.74	47.57	754.17	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	06/11/2018	801.74	41.30	760.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	06/12/2018	801.74	41.12	760.62	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13A	08/20/2018	801.74	34.51	767.23	-	<0.05	<0.05	<0.05	<0.08	0.1 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-13A	11/07/2018	801.74	32.67	769.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/04/2019	801.74	30.39	771.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/06/2019	801.74	31.78	769.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/26/2019	801.74	35.61	766.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/05/2019	801.74	38.44	763.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/03/2020	801.74	39.43	762.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	04/27/2020	801.74	37.95	763.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	07/27/2020	801.74	37.17	764.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/03/2020	801.74	41.01	760.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/29/2021	801.74	44.95	756.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/11/2021	801.74	37.21	764.53	60.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/14/2008	801.78	42.36	759.42	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	20 J	<20	590	-	-	-	-	-
MW-13B	11/20/2008	801.78	45.50	756.28	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	<0.8	<0.8	20 J	<20	1,500	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-13A	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-13A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/02/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/04/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/06/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	02/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	06/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-13A	08/20/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-13A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/14/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/20/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-13B	02/12/2009	801.78	44.35	757.43	-	<1	<1	<1	<1	<1	-	<1	<1	19.2	<25	368	-	-	-	-	-	-
MW-13B	05/18/2009	801.78	44.85	756.93	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<20	-	-	-	-	-	-
MW-13B	08/18/2009	801.78	44.31	757.47	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	318	-	-	-	-	-	-
MW-13B	11/23/2009	801.78	42.24	759.54	-	<1	<1	<1	<1	<1	-	<1	<1	8.00	42.4	194	-	-	-	-	-	-
MW-13B	02/17/2010	801.78	39.10	762.68	-	<1	<1	<1	<1	<1	-	<1	<1	17.8	37.6	409	-	-	-	-	-	-
MW-13B	05/20/2010	801.78	36.34	765.44	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	312	-	-	-	-	-	-
MW-13B	06/03/2010	801.78	34.81	766.97	-	<1	<1	<1	<1	<1	-	<1	<1	<5	-	-	-	-	-	-	-	-
MW-13B	08/17/2010	801.78	41.71	760.07	-	<1	<1	<1	<1	<1	-	<1	<1	8.69	<100	448	-	-	-	-	-	-
MW-13B	11/22/2010	801.78	45.32	756.46	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	559	-	-	-	-	-	-
MW-13B	02/15/2011	801.78	46.36	755.42	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	167	-	-	-	-	-	-
MW-13B	04/25/2011	801.78	40.40	761.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	04/28/2011	801.78	40.05	761.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/26/2011	801.78	37.70	764.08	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-13B	08/23/2011	801.78	40.87	760.91	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	158	-	-	-	-	-	-
MW-13B	11/28/2011	801.78	38.95	762.83	100.3	-	-	-	<5	<1	-	-	<1	-	-	-	-	-	-	-	-	-
MW-13B	11/30/2011	801.78	38.64	763.14	-	<1	<1	<1	<5	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1	<1
MW-13B	12/01/2011	801.78	40.18	761.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/06/2011	801.78	39.62	762.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/07/2011	801.78	39.50	762.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/08/2011	801.78	39.36	762.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/09/2011	801.78	39.25	762.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/13/2011	801.78	38.95	762.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/19/2011	801.78	38.48	763.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	12/28/2011	801.78	37.82	763.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/03/2012	801.78	37.55	764.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/09/2012	801.78	37.32	764.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/16/2012	801.78	37.33	764.45	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/17/2012	801.78	37.35	764.43	-	<1	<1	<1	-	<1	<1 11B	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-13B	01/24/2012	801.78	38.17	763.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/31/2012	801.78	37.97	763.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/08/2012	801.78	37.95	763.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/15/2012	801.78	37.95	763.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/22/2012	801.78	38.08	763.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-13B	02/12/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/23/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/20/2010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	06/03/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/22/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/15/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/26/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/23/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/30/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1.00 12G, 11B	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-13B	02/27/2012	801.78	38.13	763.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	03/05/2012	801.78	38.32	763.46	100.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	03/06/2012	801.78	38.38	763.40	100.54	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1	
MW-13B	04/06/2012	801.78	39.47	762.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/07/2012	801.78	40.59	761.19	100.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/09/2012	801.78	40.56	761.22	100.34	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<300	<1	<1	<1	<5	<1	
MW-13B	06/05/2012	801.78	41.25	760.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	07/25/2012	801.78	42.20	759.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/20/2012	801.78	43.70	758.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/23/2012	801.78	43.79	757.99	100.07	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	
MW-13B	09/04/2012	801.78	45.35	756.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	10/25/2012	801.78	45.05	756.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/05/2012	801.78	43.99	757.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/08/2012	801.78	43.75	758.03	100.10	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-13B	12/12/2012	801.78	42.32	759.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/22/2013	801.78	42.35	759.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/11/2013	801.78	41.80	759.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/12/2013	801.78	41.79	759.99	-	<1	<1	<1	-	<1	<1	<1	<1	15.1 VC	<100	<159	<1	<1	<1	<5	<1	
MW-13B	03/07/2013	801.78	40.23	761.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	04/18/2013	801.78	38.81	762.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/13/2013	801.78	39.00	762.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/14/2013	801.78	39.00	762.78	88.66	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1	
MW-13B	06/03/2013	801.78	40.20	761.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	07/26/2013	801.78	39.98	761.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/05/2013	801.78	39.13	762.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/06/2013	801.78	39.21	762.57	87.98	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	153	<1.00	<1.00	<1	<5.00	<1	
MW-13B	09/05/2013	801.78	40.39	761.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	10/08/2013	801.78	40.57	761.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/18/2013	801.78	41.23	760.55	-	<1	<1	<1	<1	<1	<1	<1	<1	9.01	<9.35	147 J	<1.00	<1.00	<1	<5.00	<1	
MW-13B	12/20/2013	801.78	42.08	759.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/24/2014	801.78	38.46	763.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/25/2014	801.78	38.48	763.30	-	<1	<1	<1	<1	<1	<1	<1	<1	5.44	<9.35	103 J	<1.00	<1.00	<1	<5.00	<1	
MW-13B	08/05/2014	801.78	35.76	766.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/03/2014	801.78	40.67	761.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-13B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	03/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-13B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	1 VC	<1	<1	<1	<1	
MW-13B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-13B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	
MW-13B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	05/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-13B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	08/06/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	
MW-13B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/18/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-13B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-13B	08/05/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-13B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-13B	11/05/2014	801.78	40.76	761.02	-	<1	<1	<1	<2	<1	<1	<1	<1	7.48	<13	160	<1.00	<1.00	-	<5.00	-
MW-13B	02/02/2015	801.78	42.26	759.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	<1
MW-13B	05/18/2015	801.78	41.15	760.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/20/2015	801.78	44.14	757.64	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	10	<20	150	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	08/10/2015	801.78	40.90	760.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/02/2015	801.78	42.37	759.41	100.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	9.3 J	<20	78 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	02/08/2016	801.78	43.28	758.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/02/2016	801.78	39.86	761.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/03/2016	801.78	39.55	762.23	100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	9.8 J	<20	120	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	08/01/2016	801.78	44.48	757.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/07/2016	801.78	44.67	757.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/10/2016	801.78	44.63	757.15	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	71 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	01/23/2017	801.78	46.37	755.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/25/2017	801.78	45.54	756.24	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	9 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	05/03/2017	801.78	46.03	755.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/04/2017	801.78	45.91	755.87	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	12	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	07/31/2017	801.78	43.98	757.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/06/2017	801.78	46.15	755.63	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8.9 J	<20	75 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	02/12/2018	801.78	48.02	753.76	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	7.5 J	<20	69 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	06/11/2018	801.78	43.32	758.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	06/12/2018	801.78	43.19	758.59	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	6.4 J	<20	120	<0.1	<0.3	<0.1	<0.2	<0.1
MW-13B	08/20/2018	801.78	37.55	764.23	-	<0.05	<0.05	<0.05	<0.08	0.07 J	<0.09	<0.05	<0.3	5.1 J	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-13B	11/07/2018	801.78	34.14	767.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/04/2019	801.78	32.33	769.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/06/2019	801.78	32.72	769.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/26/2019	801.78	36.44	765.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/05/2019	801.78	39.72	762.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/03/2020	801.78	41.36	760.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	04/27/2020	801.78	40.33	761.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	07/27/2020	801.78	38.65	763.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/03/2020	801.78	42.25	759.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/29/2021	801.78	44.86	756.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/11/2021	801.78	40.57	761.21	102.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/13/2008	797.53	42.96	754.57	-	<0.5	<0.7	<0.8	<0.8	2 J	-	<0.8	<0.8	<10	<20	220	-	-	-	-	-
MW-14A	11/21/2008	797.53	45.11	752.42	-	<0.5	<0.7	<0.8	<0.8	2 J	-	<0.8	<0.8	<10	<20	58 J	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-13B	11/05/2014	-	<1.00	-	<1.00	<1.00	-	-	-	-	-	<1.00	-	-	-	-	-	-	-	-	<1.00	<1.00
MW-13B	02/02/2015	<1	-	<1	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	-	-	-
MW-13B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/02/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/04/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/06/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	02/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	06/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-13B	08/20/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	0.2 J	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-13B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/13/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/21/2008	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-14A	02/12/2009	797.53	44.51	753.02	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-14A	05/19/2009	797.53	42.91	754.62	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-14A	08/18/2009	797.53	44.00	753.53	-	<1	<1	<1	<1	1.58	-	<1	<1	<5	<25	<40	-	-	-	-	-
MW-14A	11/24/2009	797.53	42.25	755.28	-	<1	<1	<1	<1	<1	-	<1	<1	<5	35.8	108 J	-	-	-	-	-
MW-14A	02/18/2010	797.53	39.76	757.77	-	<1	<1	<1	<1	<1	-	<1	<1	<5	34.1	78.1	-	-	-	-	-
MW-14A	05/20/2010	797.53	40.78	756.75	-	<2	<2	<2	<2	<2	-	<2	<2	<10	<100	<600	-	-	-	-	-
MW-14A	06/03/2010	797.53	41.64	755.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/20/2010	797.53	44.38	753.15	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-14A	11/22/2010	797.53	45.70	751.83	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-14A	02/17/2011	797.53	46.44	751.09	-	<1	<1	<1	<1	3.56	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-14A	04/25/2011	797.53	41.06	756.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	04/28/2011	797.53	47.19	750.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/25/2011	797.53	39.85	757.68	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-14A	08/23/2011	797.53	43.83	753.70	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-14A	11/28/2011	797.53	40.58	756.95	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/30/2011	797.53	40.45	757.08	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1
MW-14A	12/01/2011	797.53	40.79	756.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/06/2011	797.53	41.05	756.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/07/2011	797.53	40.81	756.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/08/2011	797.53	39.46	758.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/09/2011	797.53	39.13	758.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/13/2011	797.53	40.21	757.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/19/2011	797.53	38.45	759.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	12/28/2011	797.53	37.50	760.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/03/2012	797.53	37.30	760.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/09/2012	797.53	37.87	759.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/16/2012	797.53	38.30	759.23	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/17/2012	797.53	37.82	759.71	-	<1	<1	<1	<2	1.4	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
MW-14A	01/24/2012	797.53	38.14	759.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/31/2012	797.53	38.53	759.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/08/2012	797.53	39.07	758.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/15/2012	797.53	39.38	758.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/22/2012	797.53	39.39	758.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/27/2012	797.53	40.91	756.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	03/05/2012	797.53	40.28	757.25	64.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14A	02/12/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/19/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/24/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/18/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/20/2010	<2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	06/03/2010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/20/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/22/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/17/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/25/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/23/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/30/2011	1 V4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-14A	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/17/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 C	<1	<1	<1	<1	<1	<1	<1	
MW-14A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-14A	03/07/2012	797.53	40.65	756.88	60.15	<2	<2	<2	.	<2	<2	<2	<2	15	<100	<152	<2	<2	<2	<10	<2	
MW-14A	04/06/2012	797.53	41.84	755.69	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/07/2012	797.53	62.35 ¹	735.18	66.86	.	.	.	<2	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/09/2012	797.53	42.16	755.37	60.13	<1	<1	<1	.	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-14A	06/05/2012	797.53	41.03	756.50	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	07/25/2012	797.53	42.53	755.00	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/20/2012	797.53	43.20	754.33	60.12	.	.	.	<2	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/21/2012	797.53	43.20	754.33	60.12	<1	<1	<1	.	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-14A	09/04/2012	797.53	44.03	753.50	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	10/25/2012	797.53	44.48	753.05	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/05/2012	797.53	41.37	756.16	60.15	.	.	.	<2	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/06/2012	797.53	-	-	-	<1	<1	<1	.	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-14A	12/12/2012	797.53	41.97	755.56	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/22/2013	797.53	41.26	756.27	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/11/2013	797.53	39.50	758.03	60.18	.	.	.	<2	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/12/2013	797.53	-	-	-	<1	<1	<1	.	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-14A	03/07/2013	797.53	39.63	757.90	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	04/18/2013	797.53	40.42	757.11	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/13/2013	797.53	40.60	756.93	60.16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/15/2013	797.53	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<150	.	.	.	.	.	.
MW-14A	06/03/2013	797.53	41.37	756.16	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	07/26/2013	797.53	42.15	755.38	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/05/2013	797.53	42.09	755.44	60.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/07/2013	797.53	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	37.7 J	<1.00	<1.00	<1	<5.00	<1	
MW-14A	09/05/2013	797.53	42.50	755.03	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	10/08/2013	797.53	43.56	753.97	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/18/2013	797.53	43.56	753.97	60.16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/21/2013	797.53	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	30.3 J	<1.00	<1.00	<1	<5.00	<1	
MW-14A	12/20/2013	797.53	42.93	754.60	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/24/2014	797.53	38.73	758.80	60.14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/25/2014	797.53	-	-	-	<1	<1	<1	<2	1.59	<1	<1	<1	22.0	19.7 J	39.5 J	<1.00	<1.00	<1	<5.00	<1	
MW-14A	05/06/2014	797.53	36.54	760.99	60.14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/08/2014	797.53	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	149 J	<1.00	<1.00	<1	<5.00	<1	
MW-14A	08/05/2014	797.53	41.74	755.79	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	33.9 J	<1.00	<1.00	<1	<5.00	<1	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14A	03/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-14A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-14A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-14A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	
MW-14A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-14A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/15/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	.
MW-14A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/07/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	
MW-14A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-14A	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14A	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14A	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-14A	11/03/2014	797.53	44.93	752.60	60.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/05/2014	797.53	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	62.3 J	<1.00	<1.00	<1	<5.00	<1	-
MW-14A	02/02/2015	797.53	44.70	752.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/04/2015	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	05/18/2015	797.53	41.45	756.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/19/2015	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	08/10/2015	797.53	40.99	756.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/12/2015	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	11/02/2015	797.53	42.94	754.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/03/2015	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	02/08/2016	797.53	39.94	757.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/11/2016	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	05/02/2016	797.53	38.11	759.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/03/2016	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	08/01/2016	797.53	40.85	756.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/03/2016	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	11/07/2016	797.53	45.15	752.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/10/2016	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	52 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	01/23/2017	797.53	46.33	751.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/26/2017	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	05/03/2017	797.53	44.75	752.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/05/2017	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	07/31/2017	797.53	44.15	753.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/02/2017	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	11/06/2017	797.53	44.67	752.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/09/2017	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	02/12/2018	797.53	45.11	752.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/13/2018	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	06/11/2018	797.53	40.02	757.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	06/13/2018	797.53	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14A	08/20/2018	797.53	37.02	760.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/21/2018	797.53	-	-	-	<0.05	<0.05	<0.05	<0.08	0.06 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-14A	11/07/2018	797.53	37.64	759.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/04/2019	797.53	37.34	760.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/06/2019	797.53	39.56	757.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/26/2017	<0.1	<0.1	<0.2	<0.1	<0.1	<0.4	0.2 J	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/05/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	0.3 J	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	0.1 J	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	0.1 J	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	0.09 J	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-14A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-14A	08/26/2019	797.53	42.74	754.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/05/2019	797.53	42.74	754.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/03/2020	797.53	43.64	753.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	04/27/2020	797.53	42.10	755.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	07/27/2020	797.53	43.00	754.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/03/2020	797.53	45.48	752.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	01/29/2021	797.53	43.66	753.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/11/2021	797.53	42.26	755.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/09/2021	797.53	44.61	752.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	11/09/2021	797.53	45.55	751.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	02/22/2022	797.53	45.89	751.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	05/10/2022	797.53	42.51	755.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/22/2022	797.53	44.12	753.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14A	08/25/2022	797.53	44.12	753.41	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-14B	08/13/2008	797.33	44.37	752.96	-	40	<0.7	<0.8	28	480	-	12	29	980	380	1,900	-	-	-	-	-	
MW-14B	11/21/2008	797.33	42.96	754.37	-	24	<0.7	<0.8	20	400	-	8	21	810	610	2,100	-	-	-	-	-	
MW-14B	02/12/2009	797.33	42.40	754.93	-	30.9	<1	<1	24.8	497	-	9.11	21	908	<25	264	-	-	-	-	-	
MW-14B	05/19/2009	797.33	40.17	757.16	-	15.7	1.16	<1	<1	196	-	5.60	6.30	198	235	<40	-	-	-	-	-	
MW-14B	08/18/2009	797.33	41.95	755.38	-	10.8	<1	<1	8.02	284	-	4.55	12.9	477	291	274 J	-	-	-	-	-	
MW-14B	11/24/2009	797.33	40.88	756.45	-	3.49	<1	<1	3.78	246	-	3.08	9.82	351	254	136	-	-	-	-	-	
MW-14B	02/18/2010	797.33	38.44	758.89	-	6.99	<1	<1	5.76	182	-	4.27	10.8	363	91.6	595	-	-	-	-	-	
MW-14B	05/20/2010	797.33	38.80	758.53	-	4.31	<1	<1	3.18	448	-	2.75	9.02	389	245	533	-	-	-	-	-	
MW-14B	06/03/2010	797.33	44.25	753.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-14B	08/20/2010	797.33	42.30	755.03	-	4.36	<1	<1	<1	219	-	2.81	7.96	265	191	862	-	-	-	-	-	
MW-14B	11/23/2010	797.33	43.68	753.65	-	12.5	<1	<1	1.27	500	-	4.99	11.4	446	247	1,070	-	-	-	-	-	
MW-14B	02/17/2011	797.33	44.18	753.15	-	88.8	∇	∇	∇	808	-	14.4	36.0	1,130	666	421	-	-	-	-	-	
MW-14B	04/25/2011	797.33	40.95	756.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-14B	04/28/2011	797.33	40.79	756.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-14B	05/25/2011	797.33	38.52	758.81	-	71.3	∇	∇	∇	945	-	16.5	45.1	1,030	974	417	-	-	-	-	-	
MW-14B	08/23/2011	797.33	41.87	755.46	-	39.6	<1	<1	<1	363	-	9.54	22.5	349	700	699	-	-	-	-	-	
MW-14B	11/28/2011	797.33	39.82	757.51	-	48.8	<1	<1	-	661	<1	11.4	31.3	1,220	265	<300	<1	<1	<1	<5	<1	
MW-14B	12/01/2011	797.33	41.19	756.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-14B	12/06/2011	797.33	40.96	756.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-14B	12/07/2011	797.33	40.90	756.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-14B	12/08/2011	797.33	39.81	757.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14A	08/26/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/05/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	04/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	07/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	01/29/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/11/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14A	08/25/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-14B	08/13/2008	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/21/2008	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/12/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/19/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/18/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/24/2009	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/18/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/20/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	06/03/2010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/20/2010	1.81	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/23/2010	2.93	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/17/2011	<2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/25/2011	<2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/23/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/28/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5.06	1.16	<1	<1	1.81	<1	<1	<1	<1	
MW-14B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-14B	12/09/2011	797.33	39.75	757.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	12/13/2011	797.33	39.51	757.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	12/19/2011	797.33	39.30	758.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	12/28/2011	797.33	38.43	758.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/03/2012	797.33	38.15	759.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/09/2012	797.33	37.86	759.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/16/2012	797.33	36.69	760.64	-	-	-	<4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/18/2012	797.33	37.59	759.74	-	85.4	<2	<2	-	985	<2	16.5	42.3	1,750	780	308	<2	<2	<2	<10	<2	-
MW-14B	01/24/2012	797.33	38.20	759.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/31/2012	797.33	37.95	759.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/08/2012	797.33	38.05	759.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/15/2012	797.33	35.39	761.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/22/2012	797.33	36.34	760.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/27/2012	797.33	36.90	760.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	03/05/2012	797.33	36.31	761.02	-	-	-	<4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	03/08/2012	797.33	37.08	760.25	-	43.4	<2	<2	-	668	<2	<2	32.7	1,360	578	424 QL	<2	<2	<2	<10	<2	-
MW-14B	04/06/2012	797.33	39.14	758.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/07/2012	797.33	40.27	757.06	100.35	-	-	-	<2	-	-	5.18	13.3	-	-	-	-	-	-	-	-	-
MW-14B	05/10/2012	797.33	40.05	757.28	100.35	29.8	<1	<1	-	310 VH	<1	VH	VH	442	246	487	<1	<1	<1	<5	<1	-
MW-14B	06/05/2012	797.33	40.02	757.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	07/25/2012	797.33	41.02	756.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/20/2012	797.33	41.28	756.05	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/23/2012	797.33	41.25	756.08	99.98	15.7	<1	<1	-	1,020	<1	6.18	20.5	1,340	149	636	<1	<1	<1	<5	<1	-
MW-14B	09/04/2012	797.33	42.52	754.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	10/25/2012	797.33	42.25	755.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/05/2012	797.33	39.92	757.41	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/07/2012	797.33	39.99	757.34	-	16.2	<1	<1	-	1,050 QB	<1	8.76	20.1	346 QB, VH	230	702	<1	<1	1 QB	<5	<1	-
MW-14B	12/12/2012	797.33	48.12	749.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/22/2013	797.33	41.57	755.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/11/2013	797.33	40.01	757.32	-	-	-	-	<4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	01/18/2012	<2	<2	<2.0	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0	<2	6.66	<2	<2	<2	2.78	<2.0	<2	<2	<2	
MW-14B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	03/08/2012	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2	<2	5.02	<2	<2	<2	2.24	<2.0	<2	<2	<2	
MW-14B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	2.32	1 VC	<1	<1	<1	<1	<1	<1	<1	
MW-14B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.6	<1	<1	<1	1.1	<1	1 VH	<1	<1	
MW-14B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.8 QB	1 QB	1 QB	1 QB	1.26 QB	<1	<1	2.78	<1	
MW-14B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-14B	02/14/2013	797.33	39.32	758.01	-	35.9	<2	<2	-	505 QK, VH	<2	7.24	VH	1,040 VC	131	183	<2	<2	2 VC	<10	<2
MW-14B	03/07/2013	797.33	37.42	759.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	04/18/2013	797.33	38.21	759.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/13/2013	797.33	38.85	758.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/16/2013	797.33	38.91	758.42	104.65	22.5	<1	<1	2	319	1.97	3.73	10.1	485	451	<158	<1	<1	<1	<5	<1
MW-14B	06/03/2013	797.33	39.81	757.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	07/26/2013	797.33	40.39	756.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/05/2013	797.33	40.37	756.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/07/2013	797.33	40.43	756.90	100.25	34.5	<2	<2	<4	479	<2	5.40	13.3	723	428	90.8 J	<2.00	<2.00	<2	<10.0	<2
MW-14B	09/05/2013	797.33	41.47	755.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	10/08/2013	797.33	41.71	755.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/18/2013	797.33	41.73	755.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/20/2013	797.33	41.80	755.53	-	21.5	<1	<1	<2	200	<1	3.3	7.48	461	318	65.1 J	<1.00	<1.00	<1	<5.00	<1
MW-14B	12/20/2013	797.33	41.45	755.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/24/2014	797.33	39.14	758.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/26/2014	797.33	39.11	758.22	-	20.4	<1.00	<1.00	<2.00	175	<1.00	3.21	6.64	255	461	201	<1.00	<1.00	<1	<5.00	<1
MW-14B	05/06/2014	797.33	36.86	760.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/08/2014	797.33	36.85	760.48	-	15.9	<1	<1	<2	156	<1	2.61	<1	330	381	<24.3	<1.00	<1.00	<1	<5.00	<1
MW-14B	08/05/2014	797.33	39.28	758.05	-	7.3	<1	<1	<2	95.7	<1	2.02	3.44	230	58.1 J	296	<1.00	<1.00	<1	<5.00	<1
MW-14B	11/03/2014	797.33	42.73	754.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/05/2014	797.33	42.76	754.57	-	3.42	<1	<1	<2	153	<1	2.68	6.54	286	182	241	<1.00	<1.00	<1	<5.00	<1
MW-14B	02/02/2015	797.33	43.38	753.95	-	1.9	<0.1	<0.1	0.4 J	91	0.2 J	1.3	3.9	150	130	160	<0.1	<0.3	0.1 J	<0.2	<0.1
MW-14B	05/18/2015	797.33	40.28	757.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/20/2015	797.33	40.29	757.04	-	3.5	<0.1	<0.1	<0.1	190	<0.1	2.6	7	370	210	68 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-14B	08/10/2015	797.33	40.57	756.76	-	3.3	<0.1	<0.1	<0.1	140	<0.1	2.2	5.8	280	200	51 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-14B	11/02/2015	797.33	41.30	756.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/05/2015	797.33	41.31	756.02	-	2.1	<0.1	<0.1	<0.1	110	<0.1	1.7	4.5	240	150	100	<0.1	<0.3	<0.1	<0.2	<0.1
MW-14B	02/08/2016	797.33	40.81	756.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/10/2016	797.33	40.72	756.61	-	2.1	<0.1	<0.1	<0.1	110	<0.1	1.9	4.7	220	170	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-14B	05/02/2016	797.33	38.34	758.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/06/2016	797.33	38.26	759.07	100	2.0	<0.1	<0.1	<0.1	110	<0.1	1.6	4.1	210	160	53 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-14B	08/01/2016	797.33	39.50	757.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/03/2016	797.33	39.54	757.79	-	1.2	<0.1	<0.1	<0.1	90	<0.1	1.1	3.6	170	140	<45	<0.1	<0.3	<0.1	<0.2	<0.1

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14B	02/14/2013	<2	<2	2 VC	<2	<2	<2.0	<2.0	<2.0	<2.0	<2	<2	2 VC	2 VC	2 VC	2 VC	2 VC	<2.0	2 VH	<2	<2	
MW-14B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/16/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-14B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/07/2013	<2	<2.00	14.9	<2.00	<2.00	<2.0	<2.0	<2.0	<2.0	<2	<2.00	<2	<2	<2	<2	<2	<2.0	<2	<2.00	<2.00	
MW-14B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/20/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-14B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/26/2014	<1	<1.00	9	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/05/2014	2.6	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	1.01	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-14B	02/02/2015	1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/20/2015	2.4	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.8	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<1.0	<0.1	
MW-14B	08/10/2015	2.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.7	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<1.0	<0.1	
MW-14B	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	11/05/2015	1.3	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	02/10/2016	1.9	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	0.2 J	<0.1	0.4 J	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	05/06/2016	2.0	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-14B	08/03/2016	1.4	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-14B	11/07/2016	797.33	42.28	755.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/10/2016	797.33	42.33	755.00	-	1	<0.1	<0.1	<0.1	100	<0.1	1.2	3.5	170	140	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	01/23/2017	797.33	44.37	752.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/25/2017	797.33	44.29	753.04	-	1.1	<0.1	<0.1	<0.1	96	<0.1	1.4	3.9	130	120	48 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	05/03/2017	797.33	43.55	753.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/08/2017	797.33	43.32	754.01	-	0.4 J	<0.1	<0.1	<0.1	80	<0.1	1.2	3	130	110	46 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	07/31/2017	797.33	42.69	754.64	-	1.2	<0.1	<0.1	<0.1	82	<0.1	1.3	3.3	170	120	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	11/06/2017	797.33	42.89	754.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/09/2017	797.33	42.94	754.39	-	0.4 J	<0.1	<0.1	<0.1	64	<0.1	0.7	2.1	110	120	67 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	02/12/2018	797.33	44.33	753.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/15/2018	797.33	44.24	753.09	-	1.1	<0.1	<0.1	<0.1	70	<0.1	0.8	2.5	140	89	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	06/11/2018	797.33	40.36	756.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	06/14/2018	797.33	40.11	757.22	-	0.1 J	<0.1	<0.1	<0.1	66	<0.1	0.8	2.4	46	79	70 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-14B	08/20/2018	797.33	37.82	759.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/21/2018	797.33	37.72	759.61	-	2.6	<0.05	<0.05	<0.08	32	<0.09	0.5	1.2	66	60	<45	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-14B	11/07/2018	797.33	36.67	760.66	-	3	<0.05	<0.05	<0.08	30	<0.09	0.4 J	1	64	57	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-14B	02/04/2019	797.33	36.39	760.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/06/2019	797.33	36.39	760.94	-	3.1	<0.05	<0.05	<0.08	38	<0.09	0.6	1.4	69	57	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-14B	05/06/2019	797.33	37.83	759.50	-	3.5	<0.05	<0.05	<0.08	40	<0.09	0.7	1.5	56	57	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-14B	08/26/2019	797.33	40.29	757.04	-	1.7	<0.05	<0.05	<0.1	44	<0.09	0.6	1.6	45	63	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-14B	11/05/2019	797.33	42.42	754.91	-	1.2	<0.07	<0.06	<0.2	25	<0.05	0.6	1.1	70	43 J	<50	<0.07	<0.1	<0.06	<0.1	<0.06	-
MW-14B	02/03/2020	797.33	42.36	754.97	-	1.3	<0.07	<0.06	<0.2	45	<0.05	0.5	1.5	45	62	<51	<0.07	<0.1	<0.06	<0.1	<0.06	-
MW-14B	04/27/2020	797.33	40.96	756.37	-	0.9	<0.07	<0.06	<0.2	35	<0.05	0.7	1.3	42	54	<50	<0.07	<0.1	<0.06	<0.1	<0.06	-
MW-14B	07/27/2020	797.33	42.65	754.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	07/31/2020	797.33	40.78	756.55	-	0.72	0.12 J	<0.06	<0.15	14	<0.05	0.70	0.71	60	46 J	<59	<0.07	<0.10	<0.06	<0.1	<0.06	-
MW-14B	11/03/2020	797.33	43.40	753.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/05/2020	797.33	43.40	753.93	-	0.40 J	<0.070	<0.060	<0.15	11	<0.050	0.81	0.61	80	27 J	<56	<0.070	<0.10	<0.060	<0.10	<0.060	-
MW-14B	01/29/2021	797.33	42.60	754.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/04/2021	797.33	42.30	755.03	-	1.2	<0.070	<0.060	<0.15	14	<0.050	0.68	0.73	72	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060	-
MW-14B	05/11/2021	797.33	40.88	756.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/13/2021	797.33	40.90	756.43	-	0.74	<0.070	<0.060	<0.15	16	<0.050	0.77	0.75	88	23 J	<58	<0.070	<0.10	<0.060	<0.10	<0.060	-
MW-14B	08/09/2021	797.33	42.29	755.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/10/2021	797.33	42.29	755.04	-	0.30 J	<0.070	<0.060	<0.15	13	<0.050	0.57	0.65	64	32 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060	-
MW-14B	11/09/2021	797.33	43.45	753.88	-	0.55	<0.070	<0.060	<0.15	22	<0.050	0.61	0.81	77	35 J	<58	<0.070	<0.10	<0.060	<0.10	<0.060	-
MW-14B	02/22/2022	797.33	44.28	753.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/10/2016	1.3	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	01/25/2017	1.5	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/08/2017	0.8	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	07/31/2017	1.4	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/09/2017	0.7	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/15/2018	1.3	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	
MW-14B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	06/14/2018	0.5 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-14B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/21/2018	0.8	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	0.1 J	<0.05	<0.05	<0.6	<0.05	
MW-14B	11/07/2018	0.9	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	0.08 J	<0.05	<0.05	<0.6	<0.05	
MW-14B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/06/2019	1	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	0.2 J	<0.05	<0.05	<0.6	<0.05	
MW-14B	05/06/2019	1.1	<0.05	0.07 J	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	0.2 J	<0.05	<0.05	<0.6	<0.05	
MW-14B	08/26/2019	0.6	<0.05	0.06 J	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	0.1 J	<0.05	<0.05	<0.8	<0.05	
MW-14B	11/05/2019	0.8	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.06	<0.05	<0.05	0.2 J	<0.07	<0.06	<2.0	<0.06	
MW-14B	02/03/2020	0.7	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.06	<0.05	<0.05	0.1 J	<0.07	<0.06	<2.0	<0.06	
MW-14B	04/27/2020	0.7	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.06	<0.05	<0.05	0.1 J	<0.07	<0.06	<2.0	<0.06	
MW-14B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	07/31/2020	0.78	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	0.078 J	<0.05	<0.05	<0.05	<0.06	<0.05	0.25 J	<0.07	<0.06	<2.0	<0.06	
MW-14B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	11/05/2020	0.9	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.32 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	02/04/2021	0.92	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.23 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/13/2021	0.98	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.28 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/10/2021	0.76	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.25 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	11/09/2021	0.74	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.23 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-14B	02/23/2022	797.33	44.28	753.05	-	0.56	<0.070	<0.060	<0.15	19	<0.050	0.78	0.91	43	33 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-14B	05/10/2022	797.33	43.36	753.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/11/2022	797.33	43.32	754.01	-	1.6	<0.070	<0.060	<0.15	11	<0.050	0.63	0.57	38	26 J	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-14B	08/22/2022	797.33	42.05	755.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/25/2022	797.33	42.28	755.05	-	0.10 J	<0.080	<0.080	<0.070	25	<0.080	0.30 J	0.70	13	26 J	<56	<0.10	<0.10	<0.080	<0.10	<0.080
MW-15	06/04/2010	793.55	45.73	747.82	-	<2	<2	<2	<2	662	-	6.84	20.8	313	414	<300	-	-	-	-	-
MW-15	08/17/2010	793.55	48.48	745.07	-	7.36	<2	<2	<2	1,550	-	21.6	63.2	455	549	<150	-	-	-	-	-
MW-15	11/24/2010	793.55	49.89	743.66	-	8.92	<2	<2	<2	1,300	-	14.3	44.1	587	545	309	-	-	-	-	-
MW-15	02/17/2011	793.55	51.20	742.35	-	34.2	<1	<1	7.58	6,340	-	29.7	261	2,950	728	379	-	-	-	-	-
MW-15	04/25/2011	793.55	46.35	747.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/28/2011	793.55	46.15	747.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/27/2011	793.55	44.20	749.35	-	47.5	<2	<2	10.1	2,260	-	52.0	194	1,270	1,490	<150	-	-	-	-	-
MW-15	08/25/2011	793.55	47.69	745.86	-	23.0	<1	<1	5.78	4,370	-	25.1	93.8	2,100	1,120	406	-	-	-	-	-
MW-15	11/28/2011	793.55	45.37	748.18	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/29/2011	793.55	45.05	748.50	-	6.91	<1	<1	-	3,160	<1	23.4	90.1	2,000	233	<163	<1	<1	<1	<5	<1
MW-15	12/01/2011	793.55	45.36	748.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/06/2011	793.55	45.23	748.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/07/2011	793.55	45.01	748.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/08/2011	793.55	45.30	748.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/09/2011	793.55	45.41	748.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/13/2011	793.55	45.08	748.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/19/2011	793.55	44.95	748.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/28/2011	793.55	44.35	749.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/03/2012	793.55	44.57	748.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/09/2012	793.55	44.89	748.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/16/2012	793.55	45.24	748.31	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/20/2012	793.55	45.08	748.47	-	<2	<2	<2	-	1,360	<2	15.1	48.4	613	584	<154	<2	<2	<2	<10	<2
MW-15	01/24/2012	793.55	45.03	748.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/31/2012	793.55	45.26	748.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/08/2012	793.55	14.58	778.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/15/2012	793.55	45.74	747.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/22/2012	793.55	45.63	747.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/27/2012	793.55	45.97	747.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/05/2012	793.55	46.30	747.25	61.20	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/07/2012	793.55	46.55	747.00	117.60	<2	<2	<2	-	2,070	<2	15.1	68.5	716	576	<167	<2	<2	<2	<10	<2

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-14B	02/23/2022	0.83	<0.060	<0.060	<0.070	<0.050	0.068 J	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.34 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	05/11/2022	0.79	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	0.32 J	<0.070	<0.060	<2.0	<0.060	
MW-14B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14B	08/25/2022	0.23 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-15	06/04/2010	<Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/17/2010	<Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/24/2010	<Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/17/2011	<Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/27/2011	<Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/25/2011	<Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/29/2011	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	1.71	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ
MW-15	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/16/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/20/2012	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ
MW-15	01/24/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/31/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/08/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/15/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/27/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/05/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/07/2012	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-15	04/06/2012	793.55	46.91	746.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/07/2012	793.55	47.69	745.86	117.60	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/08/2012	793.55	47.36	746.19	117.60	20	<2	<2	-	7,260	<2	26.4	112	4,470	648	440	<2	<2	<2	<10	<2	-
MW-15	06/05/2012	793.55	47.66	745.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	07/25/2012	793.55	48.27	745.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/20/2012	793.55	48.59	744.96	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/22/2012	793.55	48.69	744.86	63.30	5.48	<2	<2	-	1,100	<2	14.1	58.5	618	<100	268	<2	<2	<2	<10	<2	-
MW-15	09/04/2012	793.55	48.82	744.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	10/25/2012	793.55	49.24	744.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/05/2012	793.55	48.16	745.39	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/06/2012	793.55	48.10	745.45	-	39.9	<2.00	<2.00	-	4,450	18.4	68.3	245	3,790	204	460	<2	<2	4.54	<10	<2	-
MW-15	12/12/2012	793.55	46.98	746.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/22/2013	793.55	47.03	746.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/11/2013	793.55	45.65	747.90	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/14/2013	793.55	45.78	747.77	-	15	<2	<2	-	3,560 QK, VH	<2	32	139 VH	3,120 VC	113	443	<2	<2	2 VC	<10	<2	-
MW-15	03/07/2013	793.55	45.36	748.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/18/2013	793.55	45.50	748.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/13/2013	793.55	45.89	747.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/16/2013	793.55	46.10	747.45	-	<1	<1	<1	<2	1,780	<1	12.8	48.1	684	822	<153	<1	<1	<1	<5	<1	-
MW-15	06/03/2013	793.55	46.30	747.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	07/26/2013	793.55	47.17	746.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/05/2013	793.55	47.30	746.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/09/2013	793.55	47.33	746.22	-	4.1	<2	<2	<4	1,730	<2	12.7	40.3	1,770	914	91.7 J	<2.00	<2.00	<2	<10.0	<2	-
MW-15	09/05/2013	793.55	47.50	746.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	10/08/2013	793.55	48.13	745.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/18/2013	793.55	48.05	745.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/21/2013	793.55	48.44	745.11	-	8.38	<1	<1	<2	1,710	<1	10.5	48.6	1,290	706	153	<1.00	<1.00	<1	<5.00	<1	-
MW-15	12/20/2013	793.55	48.11	745.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/24/2014	793.55	45.29	748.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/05/2014	793.55	45.92	747.63	-	<2	<2	<2	<4	<2	<2	<2	<2	<10	<13	<24.6	<2.00	<2.00	<2	<10.0	<2	-
MW-15	11/03/2014	793.55	48.71	744.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/06/2014	793.55	48.63	744.92	-	8.86	<2	<2	<4	1,040	<2	12	43	780	582	188	<2.00	<2.00	<2	<10.0	<2	-
MW-15	02/02/2015	793.55	49.03	744.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-15	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.76	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-15	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	08/22/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-15	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	11/06/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	11.9	<2	<2	<2	4.24	<2	<2	<2	7.18	<2	
MW-15	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	02/14/2013	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	2 VC	2 VC	2 VC	2 VC	2 VC	<2	2 VH	<2	<2	<2	
MW-15	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	05/16/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-15	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	08/09/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-15	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1 2c	<1.00	<1.00	
MW-15	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	08/05/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2 2c	<2.00	<2.00	
MW-15	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-15	11/06/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	2.12	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-15	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-15	02/04/2015	793.55	49.81	743.74	-	<0.2	<0.2	<0.2	<0.2	200	<0.2	1.3	5.5	39	210	<45	<0.2	<0.6	<0.2	<0.4	<0.2
MW-15	03/19/2015	793.55	48.98	744.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/08/2015	793.55	49.13	744.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/18/2015	793.55	48.86	744.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/21/2015	793.55	48.80	744.75	-	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	08/10/2015	793.55	49.15	744.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/12/2015	793.55	49.20	744.35	-	<0.1	<0.1	<0.1	<0.1	1.3	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	11/02/2015	793.55	49.94	743.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/06/2015	793.55	50.02	743.53	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	02/08/2016	793.55	48.75	744.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/10/2016	793.55	48.67	744.88	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	05/02/2016	793.55	46.52	747.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/05/2016	793.55	46.40	747.15	120	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	08/01/2016	793.55	48.75	744.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/04/2016	793.55	48.41	745.14	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	11/07/2016	793.55	49.47	744.08	-	<0.3	<0.3	<0.3	<0.3	110	<0.3	1.2 J	2.4	25 J	140	<45	<0.3	<0.8	<0.3	<0.5	<0.3
MW-15	01/23/2017	793.55	50.05	743.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/30/2017	793.55	50.18	743.37	-	0.1 J	<0.1	<0.1	<0.1	240	<0.1	2.4	7.5	36	310	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	04/05/2017	793.55	50.09	743.46	-	<0.2	<0.2	<0.2	<0.2	200	<0.2	1.2	3.8	20 J	-	-	-	-	<0.2	-	<0.2
MW-15	05/03/2017	793.55	49.05	744.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/10/2017	793.55	48.08	745.47	-	<0.1	<0.1	<0.1	<0.1	140	<0.1	1.7	3.7	34	190	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	07/31/2017	793.55	48.33	745.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/03/2017	793.55	48.31	745.24	-	<0.1	<0.1	<0.1	<0.1	83	<0.1	0.9	2.2	14	120	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	11/06/2017	793.55	48.79	744.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/14/2017	793.55	49.03	744.52	-	<0.1	<0.1	<0.1	<0.1	31	<0.1	0.5 J	0.7	7.9 J	46 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	02/12/2018	793.55	50.10	743.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/16/2018	793.55	49.80	743.75	-	<0.1	<0.1	<0.1	<0.1	25	<0.1	0.4 J	0.5	5.1 J	49 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	06/11/2018	793.55	45.33	748.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/18/2018	793.55	44.85	748.70	-	<0.1	<0.1	<0.1	<0.1	16	<0.1	0.3 J	0.3 J	<4.0	20 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-15	08/20/2018	793.55	41.82	751.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/23/2018	793.55	41.86	751.69	-	<0.05	<0.05	<0.05	<0.08	0.3 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-15	11/07/2018	793.55	42.83	750.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/08/2018	793.55	42.98	750.57	-	<0.05	<0.05	<0.05	<0.08	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-15	02/04/2019	793.55	41.82	751.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/07/2019	793.55	41.83	751.72	-	<0.05	<0.05	<0.05	<0.08	0.2 J	0.3 J	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-15	02/04/2015	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2
MW-15	03/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/06/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	11/07/2016	<0.3	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<2.5	<0.3
MW-15	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	01/30/2017	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	04/05/2017	<0.2	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.4	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	-
MW-15	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/10/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/03/2017	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/16/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-15	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-15	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/08/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-15	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/07/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	0.2 J	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-15	05/06/2019	793.55	44.03	749.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/07/2019	793.55	44.17	749.38	-	<0.05	<0.05	<0.05	<0.08	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-15	08/26/2019	793.55	46.42	747.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	08/27/2019	793.55	46.38	747.17	-	<0.05	<0.05	<0.05	<0.1	0.3 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-15	11/05/2019	793.55	48.13	745.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	11/06/2019	793.55	48.24	745.31	-	<0.05	<0.07	<0.06	<0.2	13	<0.05	0.2 J	0.2 J	2.1 J	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-15	02/03/2020	793.55	47.98	745.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	02/05/2020	793.55	47.98	745.57	-	<0.05	<0.07	<0.06	<0.2	5.1	<0.05	0.1 J	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-15	04/27/2020	793.55	46.48	747.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	04/28/2020	793.55	46.54	747.01	-	<0.05	<0.07	<0.06	<0.2	2.9	<0.05	0.08 J	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-15	07/27/2020	793.55	46.67	746.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	07/30/2020	793.55	46.71	746.84	-	<0.05	<0.07	<0.06	<0.15	0.8	<0.05	<0.05	<0.20	<1.1	<23	<58	<0.07	<0.10	<0.06	<0.1	<0.06	
MW-15	11/03/2020	793.55	49.20	744.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	11/09/2020	793.55	49.32	744.23	-	<0.050	<0.070	<0.060	<0.15	4.7	<0.050	0.11 J	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	01/29/2021	793.55	48.59	744.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	02/05/2021	793.55	48.18	745.37	-	<0.050	<0.070	<0.060	<0.15	4.1	<0.050	0.1 J	<0.20	<1.1	<23	<60	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	05/11/2021	793.55	46.37	747.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	05/14/2021	793.55	46.46	747.09	-	<0.050	<0.070	<0.060	<0.15	0.98	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	08/09/2021	793.55	48.08	745.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	08/11/2021	793.55	48.11	745.44	-	<0.050	<0.070	<0.060	<0.15	0.79	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	11/09/2021	793.55	49.34	744.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	11/10/2021	793.55	49.34	744.21	-	<0.050	<0.070	<0.060	<0.15	1.9	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	02/22/2022	793.55	49.92	743.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	02/28/2022	793.55	49.98	743.57	-	<0.050	<0.070	<0.060	<0.15	5.4	<0.050	0.097 J	<0.20	1.4 J	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	05/10/2022	793.55	48.88	744.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	05/11/2022	793.55	48.75	744.80	-	<0.050	<0.070	<0.060	<0.15	16	<0.050	0.25 J	0.39 J	2.4 J	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-15	08/22/2022	793.55	48.09	745.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-15	08/29/2022	793.55	48.45	745.10	-	<0.10	<0.080	<0.080	<0.070	1.1	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-16A	06/03/2010	778.96	40.80	738.16	-	<1	<1	<1	<1	550	-	4.09	15.6	184	422	<300	-	-	-	-	-	
MW-16A	08/17/2010	778.96	43.72	735.24	-	20.8	<2	<2	6.92	3,920	-	18.2	87.7	930	923	381	-	-	-	-	-	
MW-16A	11/23/2010	778.96	45.51	733.45	-	29.0	<2	<2	8.26	4,120	-	28.1	114	1,520	830	341	-	-	-	-	-	
MW-16A	02/16/2011	778.96	46.15	732.81	-	24.2	<2	<2	9.06	2,980	-	23.2	96.6	1,080	648	214	-	-	-	-	-	
MW-16A	04/25/2011	778.96	40.33	738.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	04/28/2011	778.96	39.87	739.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/27/2011	778.96	39.50	739.46	-	11	<2	<2	2.88	1,150	-	21.3	82.5	444	828	<150	-	-	-	-	-	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-15	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/07/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-15	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	
MW-15	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/06/2019	0.06 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-15	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/05/2020	0.06 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-15	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/28/2020	0.07 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-15	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	07/30/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-15	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/09/2020	0.053	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-15	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/05/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-15	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/14/2021	0.069 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-15	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-15	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-15	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/28/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-15	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/11/2022	0.068 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.14 J	<2.0	<0.060	
MW-15	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-16A	06/03/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/17/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/23/2010	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/16/2011	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/27/2011	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-16A	08/24/2011	778.96	42.63	736.33	-	12.3	<1	<1	3.64	3,540	-	16.1	72.5	578	963	<150	-	-	-	-	-
MW-16A	11/28/2011	778.96	40.86	738.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/30/2011	778.96	40.49	738.47	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/01/2011	778.96	39.91	739.05	-	3.94	<1	<1	-	2,210	<1	<1	44.5	392	538	<158	<1	<1	<1	<5	<1
MW-16A	12/06/2011	778.96	39.72	739.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/07/2011	778.96	39.55	739.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/08/2011	778.96	39.65	739.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/09/2011	778.96	39.62	739.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/13/2011	778.96	39.45	739.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/19/2011	778.96	39.18	739.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	12/28/2011	778.96	39.00	739.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/03/2012	778.96	39.10	739.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/09/2012	778.96	39.45	739.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/16/2012	778.96	39.86	739.10	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/19/2012	778.96	39.71	739.25	-	<2	<2	<2	-	216	<2	<2	7.64	65.4	134	<153	<2	<2	<2	<10	<2
MW-16A	01/24/2012	778.96	39.89	739.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/31/2012	778.96	40.24	738.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/08/2012	778.96	40.60	738.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/15/2012	778.96	40.76	738.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/22/2012	778.96	40.78	738.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/27/2012	778.96	41.17	737.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	03/05/2012	778.96	41.32	737.64	66.48	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	03/08/2012	778.96	41.44	737.52	64.40	<2	<2	<2	-	770	<2	5.96	26.8	146	405	<152	<2	<2	<2	<10	<2
MW-16A	04/06/2012	778.96	42.10	736.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/07/2012	778.96	42.74	736.22	71.43	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/10/2012	778.96	42.58	736.38	64.38	5.81	<1	<1	-	1,360	<1	6.96	29.9	421	190	157	<1	<1	<1	<5	<1
MW-16A	06/05/2012	778.96	43.07	735.89	-	-	-	-	-	VH	-	-	-	-	-	-	-	-	-	-	-
MW-16A	07/25/2012	778.96	43.66	735.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/20/2012	778.96	44.09	734.87	64.40	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/22/2012	778.96	44.09	734.87	64.40	7.11	<1	<1	-	1,440	<1	14.6	54	648	<100	<154	<1	<1	<1	<5	<1
MW-16A	09/04/2012	778.96	44.33	734.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	10/25/2012	778.96	44.90	734.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/05/2012	778.96	43.49	735.47	58.30	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16A	08/24/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/01/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-16A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	01/19/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	03/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	
MW-16A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	08/22/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.36	<1	<1	<1	<1	<1	<1	1 VH	<1	
MW-16A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-16A	11/08/2012	778.96	-	-	-	16	<2	<2	-	4,840	2.98	36.9	165	-	241	251	<2	<2	<2	<10	<2
MW-16A	12/12/2012	778.96	42.14	736.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/22/2013	778.96	42.04	736.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/11/2013	778.96	40.13	738.83	64.42	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
										2,060											
MW-16A	02/14/2013	778.96	-	-	-	<2	<2	<2	-	QK, VH	<2	12.6	46.4	690 VC	<100	<150	<2	<2	2 VC	<10	<2
MW-16A	03/07/2013	778.96	40.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	04/18/2013	778.96	40.45	738.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/13/2013	778.96	41.42	737.54	64.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/16/2013	778.96	-	-	-	1.18	<0.5	<0.5	<1	415	<0.5	3.06	7.93	142	559	<150	-	-	-	-	-
MW-16A	06/03/2013	778.96	41.63	737.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	07/26/2013	778.96	42.45	736.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/05/2013	778.96	42.63	736.33	64.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/08/2013	778.96	-	-	-	9.86	<1	<1	2.75	5,860	3.09	20.7	92.6	1,700	1,260	334	<1.00	<1.00	<1 VH	<5.00	<1
MW-16A	09/05/2013	778.96	42.83	736.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	10/08/2013	778.96	43.41	735.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/18/2013	778.96	43.31	735.65	64.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/22/2013	778.96	-	-	-	4.58	<2	<2	<4	1,080	<2	12	50.2	751	745	<27.4	<2.00	<2.00	<2	<10.0	<2
MW-16A	12/20/2013	778.96	43.23	735.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/24/2014	778.96	39.49	739.47	-	<2	<2	<2	<4	247	<2	<2	7.42	53	369	<27.4	<2.00	<2.00	<2	<10.0	<2
MW-16A	05/06/2014	778.96	36.53	742.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/08/2014	778.96	-	-	-	<1	<1	<1	<2	93.8	<1	<1	<1	<5	129	114 J	<1.00	<1.00	<1	<5.00	<1
MW-16A	08/05/2014	778.96	41.51	737.45	-	<1	<1	<1	<2	241	<1	1.52	5.88	61	<13	80.5 J	<1.00	<1.00	<1	<5.00	<1
MW-16A	11/03/2014	778.96	44.08	734.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/06/2014	778.96	-	-	-	6.44	<2	<2	<4	1,460	<2	13.9	55	672	610	196	<2.00	<2.00	<2	<10.0	<2
MW-16A	02/02/2015	778.96	44.75	734.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/05/2015	778.96	-	-	-	1.8 J	<0.5	<0.5	<0.5	980	<0.5	4.9	25	350	930	<45	<0.5	<1.5	<0.5	<1.0	<0.5
MW-16A	03/19/2015	778.96	44.26	734.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	04/08/2015	778.96	43.79	735.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/18/2015	778.96	43.35	735.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/21/2015	778.96	-	-	-	4.3	<0.5	<0.5	1.4 J	1,900	0.5 J	9.8	48	810	1,600	50 J	<0.5	<1.5	<0.5	<1.0	<0.5
MW-16A	08/10/2015	778.96	44.28	734.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/12/2015	778.96	-	-	-	<2	<2	<2	<2	680	<2	4.1 J	17	240	680	<45	<2.0	<6.0	<2	<4.0	<2

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16A	11/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	<2	4.3	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-16A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/14/2013	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	2 VC	2 VC	2 VC	2 VC	<2	2 VH	<2	<2	
MW-16A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/16/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
MW-16A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	08/08/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	2.01	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-16A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	11/22/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00
MW-16A	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/24/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00
MW-16A	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-16A	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.2e	<1.00	<1.00
MW-16A	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	11/06/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00
MW-16A	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	02/05/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
MW-16A	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	05/21/2015	0.6 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.7 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
MW-16A	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16A	08/12/2015	<2	<2.0	<2	<2.0	<2.0	<8	<2	<2	<2	<4	<2.0	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2.0



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-16A	11/02/2015	778.96	45.43	733.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/05/2015	778.96	-	778.96	-	1.1 J	<0.5	<0.5	<0.5	500	<0.5	2.9	12	150	-	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	02/08/2016	778.96	43.03	735.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	02/11/2016	778.96	-	-	-	<1.0	<1.0	<1.0	<1.0	300	<1.0	1.6 J	5.9	85 J	360	<45	<1.0	<3.0	<1.0	<2.0	<1.0	
MW-16A	05/02/2016	778.96	41.45	737.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/04/2016	778.96	-	-	-	<0.1	<0.1	<0.1	<0.1	120	<0.1	1.1	1.5	<4.0	130	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16A	08/01/2016	778.96	43.65	735.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	08/03/2016	778.96	-	-	-	0.2 J	<0.1	<0.1	<0.1	86	<0.1	0.5 J	1.9	29	120	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16A	11/07/2016	778.96	45.50	733.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	11/10/2016	778.96	-	-	-	1 J	<0.5	<0.5	<0.5	500	<0.5	2.3 J	9.7	110	530	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	12/13/2016	778.96	45.80	733.16	-	2.6	<0.5	<0.5	0.8 J	1,100	<0.5	5	26	320	920	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	01/23/2017	778.96	46.77	732.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	01/26/2017	778.96	-	-	-	0.7 J	<0.1	<0.1	<0.1	300	<0.5	1.8 J	7.1	<4.0	290	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	05/03/2017	778.96	43.85	735.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/09/2017	778.96	-	-	-	0.7 J	<0.5	<0.5	<0.5	510	<0.5	3.5	11	120	600	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	07/31/2017	778.96	43.48	735.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	08/02/2017	778.96	-	-	-	<0.1	<0.1	<0.1	<0.1	260	<0.1	1.8	5.4	11	310	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16A	11/06/2017	778.96	44.65	734.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	11/09/2017	778.96	-	-	-	<0.5	<0.5	<0.5	<0.5	360	<0.5	2.0 J	7.3	77	490	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	02/12/2018	778.96	45.76	733.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	02/16/2018	778.96	-	-	-	<0.5	<0.5	<0.5	<0.5	190	<0.5	0.7 J	2.8	49 J	250	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
MW-16A	06/11/2018	778.96	39.77	739.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	06/14/2018	778.96	-	-	-	<0.1	<0.1	<0.1	<0.1	4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16A	08/20/2018	778.96	36.78	742.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	08/24/2018	778.96	-	-	-	<0.05	<0.05	<0.05	<0.08	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16A	11/07/2018	778.96	37.73	741.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	11/08/2018	778.96	37.87	741.09	-	<0.05	<0.05	<0.05	<0.08	0.7	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16A	02/04/2019	778.96	36.73	742.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	02/06/2019	778.96	36.83	742.13	-	<0.05	<0.05	<0.05	<0.08	1.1	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16A	05/06/2019	778.96	39.47	739.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/09/2019	778.96	39.69	739.27	-	<0.05	0.2 J	<0.05	<0.08	1.4	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16A	08/26/2019	778.96	42.10	736.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	08/29/2019	778.96	42.11	736.85	-	<0.05	<0.05	<0.05	<0.1	1.6	<0.09	0.09 J	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16A	11/05/2019	778.96	43.72	735.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	11/07/2019	778.96	43.72	735.24	-	<0.05	<0.07	<0.06	<0.2	31	<0.05	0.6	0.4 J	1.7 J	39 J	<49	<0.07	<0.1	<0.06	<0.1	<0.06	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/05/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-16A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/11/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0
MW-16A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-16A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-16A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/10/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-16A	12/13/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-16A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	01/26/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-16A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/09/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-16A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-16A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/09/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	1.8	<0.5
MW-16A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/16/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-16A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-16A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/24/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/08/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/06/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	0.09 J	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/09/2019	0.07 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.06 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/29/2019	0.07 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.07 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	<0.05
MW-16A	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/07/2019	0.1 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	<0.06

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-16A	02/03/2020	778.96	42.90	736.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/10/2020	778.96	42.63	736.33	-	<0.05	<0.07	<0.06	<0.2	47	<0.05	-	0.9	3.1 J	-	<51	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-16A	04/27/2020	778.96	41.37	737.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/01/2020	778.96	41.12	737.84	-	<0.05	<0.07	<0.06	<0.2	7	<0.05	0.1 J	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-16A	07/27/2020	778.96	42.17	736.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	07/30/2020	778.96	42.21	736.75	-	<0.05	0.099 J	<0.06	<0.15	1.2	<0.05	<0.05	<0.20	<1.1	<23	<59	<0.07	<0.10	<0.06	<0.1	<0.06	
MW-16A	11/03/2020	778.96	44.74	734.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	11/06/2020	778.96	44.84	734.12	-	<0.050	<0.070	<0.060	<0.15	17	<0.050	0.41 J	0.23 J	1.3 J	33 J	<58	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	01/29/2021	778.96	43.88	735.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	02/04/2021	778.96	43.65	735.31	-	<0.050	<0.070	<0.060	<0.15	19	<0.050	0.28 J	0.33 J	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	05/11/2021	778.96	41.45	737.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/14/2021	778.96	41.58	737.38	-	<0.050	<0.070	<0.060	<0.15	0.97	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	08/09/2021	778.96	43.39	735.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	08/12/2021	778.96	43.47	735.49	-	0.053 J	<0.070	<0.060	<0.15	5.1	<0.050	0.12 J	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	11/09/2021	778.96	44.98	733.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	11/12/2021	778.96	44.98	733.98	-	<0.050	<0.070	<0.060	<0.15	9.3	<0.050	0.21 J	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	02/22/2022	778.96	45.40	733.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	03/01/2022	778.96	45.37	733.59	-	<0.050	<0.070	<0.060	<0.15	3.8	<0.050	0.11 J	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	05/10/2022	778.96	43.61	735.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	05/11/2022	778.96	43.57	735.39	-	<0.050	<0.070	<0.060	<0.15	1.0	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16A	08/22/2022	778.96	43.26	735.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16A	08/26/2022	778.96	43.60	735.36	-	<0.10	<0.080	<0.080	<0.070	0.90	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-16B	06/03/2010	778.24	41.51	736.73	-	21.8	<2	<2	10.1	3,750	-	22.8	104	1,420	896	<300	-	-	-	-	-	
MW-16B	08/17/2010	778.24	44.32	733.92	-	35	<2	<2	14.7	6,740	-	40.2	175	1,140	900	224	-	-	-	-	-	
MW-16B	11/23/2010	778.24	44.76	733.48	-	16.7	<2	<2	6.66	3,430	-	18.8	93.3	944	699	323	-	-	-	-	-	
MW-16B	02/16/2011	778.24	46.52	731.72	-	26.7	<2	<2	13.2	3,970	-	22.8	113	1,340	755	<150	-	-	-	-	-	
MW-16B	04/25/2011	778.24	40.91	737.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	04/28/2011	778.24	40.85	737.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	05/27/2011	778.24	40.15	738.09	-	25.7	<2	<2	9.82	2,030	-	29.9	144	565	1,060	<150	-	-	-	-	-	
MW-16B	08/24/2011	778.24	43.30	734.94	-	17.3	<1	<1	7.34	3,210	-	16.6	84.3	1,050	1,040	<150	-	-	-	-	-	
MW-16B	11/28/2011	778.24	40.16	738.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	12/01/2011	778.24	40.65	737.59	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	12/02/2011	778.24	40.85	737.39	-	17.3	<2.00	<2.00	-	4,050	<2.00	23.8	119	1,060	492	<156	<2	<2	<2	<10	<2	
MW-16B	12/06/2011	778.24	40.23	738.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	12/07/2011	778.24	40.27	737.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16A	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/10/2020	0.08 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-16A	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/01/2020	0.07 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-16A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	07/30/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	0.24 J	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-16A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/06/2020	0.12 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16A	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	02/04/2021	0.098 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16A	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/14/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16A	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/12/2021	0.072 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16A	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	11/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16A	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	03/01/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16A	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	05/11/2022	0.068 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.099 J	<2.0	<0.060	
MW-16A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16A	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-16B	06/03/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/17/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/23/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/16/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/27/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/24/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/02/2011	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-16B	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-16B	12/08/2011	778.24	40.36	737.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/09/2011	778.24	40.33	737.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/13/2011	778.24	40.16	738.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/19/2011	778.24	39.90	738.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	12/28/2011	778.24	39.71	738.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/03/2012	778.24	39.83	738.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/09/2012	778.24	40.16	738.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/16/2012	778.24	40.00	738.24	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/20/2012	778.24	40.47	737.77	-	25.5	<2	<2	-	6,190	<2	33.3	150	1,330	1,010	<154	<2	<2	<2	<10	<2	-
MW-16B	01/24/2012	778.24	40.61	737.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/31/2012	778.24	40.96	737.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/08/2012	778.24	41.31	736.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/15/2012	778.24	41.47	736.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/22/2012	778.24	41.48	736.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/27/2012	778.24	41.85	736.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	03/05/2012	778.24	42.03	736.21	120.10	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	03/07/2012	778.24	42.35	735.89	120.10	15.9	<2	<2	-	4,480	<2	20.3	125	1,500	792	<161	<2	<2	<2	<10	<2	-
MW-16B	04/06/2012	778.24	42.80	735.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/07/2012	778.24	43.40	734.84	120.04	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/11/2012	778.24	43.47	734.77	120.04	23.2	<2	<2	-	1,970 VH	<2	20.7 VH	101	554	137	<150	<2	<2	<2	<10	<2	-
MW-16B	06/05/2012	778.24	43.79	734.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	07/25/2012	778.24	44.37	733.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/20/2012	778.24	44.79	733.45	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/21/2012	778.24	44.81	733.43	122.31	9.32	<2	<2	-	1,760	<2	19	93.3	643	<100	<152	<2	<2	<2	<10	<2	-
MW-16B	09/04/2012	778.24	45.04	733.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	10/25/2012	778.24	45.60	732.64	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/05/2012	778.24	44.15	734.09	119.90	11.9	<2.00	<2.00	-	4,480	<2.00	32.3	142	2,750	<100	<153	<2	<2	<2	<10	<2	-
MW-16B	12/12/2012	778.24	42.83	735.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/22/2013	778.24	42.74	735.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/11/2013	778.24	40.80	737.44	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/14/2013	778.24	40.70	737.54	-	7.48	<2	<2	-	3,590 QK, VH	<2	26.3	127 VH	1,720 QK, VC	<100	<150	<2	<2	2 VC	<10	<2	-
MW-16B	03/07/2013	778.24	40.92	737.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	01/20/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.52	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	03/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.38	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/11/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	08/21/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/14/2013	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	2 VC	2 VC	2 VC	2 VC	2 VC	<2	2 VH	<2	<2	<2	
MW-16B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-16B	04/18/2013	778.24	41.17	737.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/13/2013	778.24	41.73	736.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/16/2013	778.24	41.79	736.45	124.90	4.92	<2	<2	<4	1,600	<2	13	42.5	<10	881	<153	<2	<2	<2	<10	<2	
MW-16B	06/03/2013	778.24	42.35	735.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	07/26/2013	778.24	43.15	735.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/05/2013	778.24	43.32	734.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/09/2013	778.24	43.40	734.84	-	<2	<2	<2	<4	1,480	<2	8.28	36	795	813	<152	<2.00	<2.00	<2	<10.0	<2	
MW-16B	09/05/2013	778.24	43.53	734.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	10/08/2013	778.24	44.10	734.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/18/2013	778.24	44.04	734.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/21/2013	778.24	44.27	733.97	-	<2	<2	<2	<4	1,100	<2	8.98	41	389	525	<27.1	<2.00	<2.00	<2	<10.0	<2	
MW-16B	12/20/2013	778.24	43.93	734.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/24/2014	778.24	40.20	738.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/27/2014	778.24	39.70	738.54	-	<2.00	<2.00	<2.00	<4.00	871	<2.00	7.88	35	253	1,010	<28.5	<2.00	<2.00	<2	<10.0	<2	
MW-16B	05/06/2014	778.24	37.27	740.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/09/2014	778.24	37.05	741.19	-	<1	<1	<1	<2	768	<1	5.93	25	195	59.8 J	<23.4	<1.00	<1.00	<1	<5.00	<1	
MW-16B	08/05/2014	778.24	42.24	736.00	-	1.31	<1	<1	<2	1,470	<1	6.69	30	519	34.6 J	59.2 J	<1.00	<1.00	<1	<5.00	<1	
MW-16B	11/03/2014	778.24	44.78	733.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/06/2014	778.24	44.78	733.46	-	1.2	<1	<1	<2	939	<1	6.79	26.6	211	442	42.9 J	<1.00	<1.00	<1	<5.00	<1	
MW-16B	02/02/2015	778.24	45.43	732.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/04/2015	778.24	45.61	732.63	-	2.9 J	<1.0	<1.0	<1.0	1,200	<1.0	5.9	26	430	1,100	<45	<1.0	<3.0	<1	<2.0	<1	
MW-16B	03/19/2015	778.24	44.92	733.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	04/08/2015	778.24	44.44	733.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/18/2015	778.24	44.02	734.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/21/2015	778.24	44.03	734.21	-	0.1 J	<0.1	<0.1	<0.1	33	<0.1	0.3 J	0.7	9.0 J	37 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	08/10/2015	778.24	44.92	733.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/12/2015	778.24	45.29	732.95	-	0.2 J	<0.1	<0.1	<0.1	64	<0.1	0.8	1.6	13	67	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	11/02/2015	778.24	46.11	732.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/06/2015	778.24	46.13	732.11	-	<0.1	<0.1	<0.1	<0.1	22	<0.1	0.2 J	0.5	7.6 J	22 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	02/08/2016	778.24	43.65	734.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/12/2016	778.24	43.19	735.05	-	<0.1	<0.1	<0.1	<0.1	46	<0.1	0.3 J	0.9	15	57	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	05/02/2016	778.24	42.17	736.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/05/2016	778.24	42.11	736.13	120	<0.1	<0.1	<0.1	<0.1	9.2	<0.1	<0.1	0.1 J	5.2 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	08/01/2016	778.24	44.29	733.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/04/2016	778.24	44.52	733.72	-	<0.1	<0.1	<0.1	<0.1	36	<0.1	0.3 J	0.5	5.7 J	54	<45	<0.1	<0.3	<0.1	<0.2	<0.1	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/16/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-16B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	08/09/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-16B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	11/21/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-16B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/27/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-16B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/09/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-16B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-16B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-16B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/04/2015	<1	<1.0	<1	<1.0	<1.0	<4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
MW-16B	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-16B	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	08/12/2015	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-16B	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	11/06/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-16B	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	02/12/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-16B	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
MW-16B	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-16B	08/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-16B	11/07/2016	778.24	46.20	732.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/11/2016	778.24	46.02	732.22	-	<0.2	<0.2	<0.2	<0.2	160	<0.2	1.3	3.1	28	170	<45	<0.2	<0.6	<0.2	<0.4	<0.2	
MW-16B	01/23/2017	778.24	46.10	732.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	01/30/2017	778.24	46.77	731.47	-	0.2 J	<0.1	<0.1	<0.1	170	<1.0	1.4	4.1	51	180	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	05/03/2017	778.24	44.5	733.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	05/10/2017	778.24	44.21	734.03	-	0.3 J	<0.1	<0.1	<0.1	110	<0.1	1.1	2.6	39	150	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	07/31/2017	778.24	44.15	734.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	08/03/2017	778.24	44.17	734.07	-	0.5 J	<0.1	<0.1	<0.1	200	<0.1	1.6	4.7	44	230	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	11/06/2017	778.24	45.32	732.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	11/14/2017	778.24	45.49	732.75	-	0.2 J	0.1 J	<0.1	<0.1	42	<0.1	0.4 J	0.9	19	62	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	02/12/2018	778.24	46.45	731.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	02/16/2018	778.24	46.33	731.91	-	0.3 J	<0.1	<0.1	<0.1	100	<0.1	0.8	2.2	27	150	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	06/11/2018	778.24	40.39	737.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	06/18/2018	778.24	40.02	738.22	-	0.1 J	<0.1	<0.1	<0.1	59	<0.1	0.5 J	1	12	69	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-16B	08/20/2018	778.24	37.46	740.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	08/23/2018	778.24	37.50	740.74	-	0.1 J	<0.05	<0.05	<0.08	56	<0.09	0.8	1.6	12	76	<45	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16B	11/07/2018	778.24	38.47	739.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	11/08/2018	778.24	38.52	739.72	-	0.08 J	<0.05	<0.05	<0.08	62	<0.09	0.7	0.9 J	7.9 J	62	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16B	02/04/2019	778.24	37.45	740.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	02/07/2019	778.24	37.55	740.69	-	0.09 J	<0.05	<0.05	<0.08	60	<0.09	0.6	1	11	62	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16B	05/06/2019	778.24	40.15	738.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	05/07/2019	778.24	40.28	737.96	-	0.1 J	<0.05	<0.05	<0.08	60	<0.09	0.9	1.1	13	73	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16B	08/26/2019	778.24	42.75	735.49	-	0.09 J	<0.05	<0.05	<0.1	40	<0.09	0.5 J	0.8 J	8.6 J	54	<53	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-16B	11/05/2019	778.24	44.35	733.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	11/06/2019	778.24	44.41	733.83	-	0.2 J	<0.07	<0.06	<0.2	53	<0.05	0.9	1	37	70	<49	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-16B	02/03/2020	778.24	43.53	734.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	02/05/2020	778.24	43.47	734.77	-	0.1 J	<0.07	<0.06	<0.2	45	<0.05	0.6	0.9	12	52	<51	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-16B	04/27/2020	778.24	41.98	736.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	04/28/2020	778.24	42.02	736.22	-	<0.05	<0.07	<0.06	<0.2	13	<0.05	0.1 J	0.2 J	5.3 J	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-16B	07/27/2020	778.24	42.81	735.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	07/30/2020	778.24	42.84	735.40	-	0.053 J	0.11 J	<0.06	<0.15	40	<0.05	1.4	0.85	21	63	<58	<0.07	<0.10	<0.06	<0.1	<0.06	
MW-16B	11/03/2020	778.24	45.40	732.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	11/06/2020	778.24	45.45	732.79	-	0.13 J	<0.070	<0.060	<0.15	46	<0.050	1.4	0.91	43	71	<59	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-16B	01/29/2021	778.24	44.52	733.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-16B	02/04/2021	778.24	44.29	733.95	-	0.13 J	<0.070	<0.060	<0.15	44	<0.050	1.2	0.97	47	35 J	<59	<0.070	<0.10	<0.060	<0.10	<0.060	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/11/2016	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2	<0.2
MW-16B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	01/30/2017	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-16B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/10/2017	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-16B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/03/2017	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-16B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/14/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-16B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/16/2018	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-16B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	06/18/2018	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
MW-16B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/23/2018	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/08/2018	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/07/2019	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/07/2019	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	<0.05
MW-16B	08/26/2019	0.1 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	<0.05
MW-16B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/06/2019	0.2 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	<0.06
MW-16B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/05/2020	0.1 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	<0.06
MW-16B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	04/28/2020	0.05 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	<0.06
MW-16B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	07/30/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	<0.06
MW-16B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/06/2020	0.16 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	<0.060
MW-16B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	02/04/2021	0.14 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	<0.060

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-16B	05/11/2021	778.24	42.11	736.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/14/2021	778.24	42.24	736.00	-	0.19 J	<0.070	<0.060	<0.15	50	<0.050	1.3	1	88	26 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-16B	08/09/2021	778.24	44.05	734.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/12/2021	778.24	44.13	734.11	-	0.13 J	<0.070	<0.060	<0.15	41	<0.050	1.2	0.9	32	50	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-16B	11/09/2021	778.24	45.66	732.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/12/2021	778.24	45.64	732.60	-	0.11 J	<0.070	<0.060	<0.15	42	<0.050	1.2	0.91	22	45 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-16B	02/22/2022	778.24	46.08	732.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	03/01/2022	778.24	47.05	731.19	-	0.097 J	<0.070	<0.060	<0.15	30	<0.050	0.88	0.62	28	40 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-16B	05/10/2022	778.24	44.25	733.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/11/2022	778.24	44.17	734.07	-	<0.050	<0.070	<0.060	<0.15	19	0.21 J	0.80	0.38 J	12	26 J	<56	<0.070	<0.10	0.20 J	<0.10	<0.060
MW-16B	08/22/2022	778.24	43.99	734.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/26/2022	778.24	44.18	734.06	-	<0.10	<0.080	<0.080	<0.070	3.1	<0.080	<0.10	<0.20	5.5 J	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080
MW-17A	06/03/2010	785.01	30.08	754.93	-	<1	<1	<1	<1	1.82	-	<1	<1	<5	<100	<300	-	-	-	-	-
MW-17A	08/18/2010	785.01	32.68	752.33	-	<1	<1	<1	<1	1.88	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-17A	11/24/2010	785.01	33.96	751.05	-	<1	<1	<1	<1	1.88	-	<1	<1	<5	<100	541 D1	-	-	-	-	-
MW-17A	02/16/2011	785.01	37.95	747.06	-	<1	<1	<1	<1	1.19	-	<1	<1	<5	<100	239	-	-	-	-	-
MW-17A	04/25/2011	785.01	29.54	755.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	04/28/2011	785.01	31.51	753.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/26/2011	785.01	28.30	756.71	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-17A	08/24/2011	785.01	31.95	753.06	-	<1	<1	<1	<1	1.18	-	<1	<1	<5	<100	<150	-	-	-	-	-
MW-17A	11/28/2011	785.01	28.97	756.04	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/29/2011	785.01	28.61	756.40	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1
MW-17A	12/01/2011	785.01	29.15	755.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/06/2011	785.01	29.22	755.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/07/2011	785.01	29.10	755.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/08/2011	785.01	28.70	756.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/09/2011	785.01	28.21	756.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/19/2011	785.01	27.46	757.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/28/2011	785.01	26.80	758.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/03/2012	785.01	26.53	758.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/09/2012	785.01	26.95	758.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/16/2012	785.01	27.34	757.67	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/19/2012	785.01	27.20	757.81	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
MW-17A	01/24/2012	785.01	27.19	757.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-16B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/14/2021	0.16 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/12/2021	0.14 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	11/12/2021	0.11 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	03/01/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	05/11/2022	0.070 J	<0.060	0.062 J	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-16B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16B	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-17A	06/03/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/18/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/24/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/16/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/26/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/24/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/29/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-17A	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/16/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-17A	01/24/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-17A	01/31/2012	785.01	27.50	757.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/08/2012	785.01	27.95	757.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/15/2012	785.01	28.22	756.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/22/2012	785.01	28.18	756.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/27/2012	785.01	29.18	755.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	03/05/2012	785.01	29.01	756.00	47.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	03/08/2012	785.01	29.44	755.57	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	
MW-17A	04/06/2012	785.01	30.18	754.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/07/2012	785.01	30.85	754.16	50.83	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/10/2012	785.01	30.61	754.40	50.83	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<1500	<1	<1	<1	<5	<1	
MW-17A	06/05/2012	785.01	29.83	755.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	07/25/2012	785.01	31.13	753.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/20/2012	785.01	31.67	753.34	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/22/2012	785.01	32.02	752.99	64.37	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	
MW-17A	09/04/2012	785.01	32.30	752.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	10/25/2012	785.01	32.75	752.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/05/2012	785.01	30.17	754.84	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/06/2012	785.01	30.40	754.61	-	<1	<1	<1	<1	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<154	<1	<1	<1	<5	<1	
MW-17A	12/12/2012	785.01	30.33	754.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/22/2013	785.01	29.85	755.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/11/2013	785.01	28.21	756.80	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/12/2013	785.01	28.09	756.92	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<154	<1	<1	1 VC	<5	<1	
MW-17A	03/07/2013	785.01	28.30	756.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	04/18/2013	785.01	28.86	756.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/13/2013	785.01	29.14	755.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/15/2013	785.01	29.12	755.89	47.06	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	
MW-17A	06/03/2013	785.01	29.67	755.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	07/26/2013	785.01	30.53	754.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/05/2013	785.01	30.59	754.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/07/2013	785.01	30.86	754.15	48.15	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	41.6 J	<1.00	<1.00	<1	<5.00	<1	
MW-17A	09/05/2013	785.01	30.86	754.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	10/08/2013	785.01	31.89	753.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/18/2013	785.01	31.83	753.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/20/2013	785.01	32.2	752.81	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-17A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 QB	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/22/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-17A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/12/2013	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	1 VC	<1	1 VC	1 VC	<1	1 VH	<1	<1	
MW-17A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	05/15/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/07/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	
MW-17A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	11/20/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-17A	12/20/2013	785.01	31.40	753.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/24/2014	785.01	27.81	757.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/25/2014	785.01	27.85	757.16	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<28.2	<1.00	<1.00	<1	<5.00	<1	-
MW-17A	08/05/2014	785.01	29.93	755.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/03/2014	785.01	32.89	752.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/04/2014	785.01	33.07	751.94	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.7	<1.00	<1.00	<1	<5.00	<1	-
MW-17A	02/02/2015	785.01	32.93	752.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/18/2015	785.01	30.34	754.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/20/2015	785.01	30.23	754.78	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	08/10/2015	785.01	30.72	754.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/02/2015	785.01	31.69	753.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/05/2015	785.01	29.95	755.06	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	02/08/2016	785.01	29.29	755.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/02/2016	785.01	27.47	757.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/04/2016	785.01	27.22	757.79	65	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	08/01/2016	785.01	29.80	755.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/07/2016	785.01	33.38	751.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/08/2016	785.01	33.34	751.67	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	01/23/2017	785.01	34.51	750.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/27/2017	785.01	34.47	750.54	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	05/03/2017	785.01	33.04	751.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/08/2017	785.01	32.61	752.40	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	07/31/2017	785.01	32.43	752.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/06/2017	785.01	32.95	752.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/09/2017	785.01	32.95	752.06	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	02/12/2018	785.01	34.20	750.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/13/2018	785.01	34.12	750.89	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	06/11/2018	785.01	28.71	756.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	06/13/2018	785.01	28.29	756.72	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-17A	08/20/2018	785.01	25.50	759.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/21/2018	785.01	25.47	759.54	-	<0.05	<0.05	<0.05	<0.08	0.07 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	-
MW-17A	11/07/2018	785.01	26.40	758.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/04/2019	785.01	25.68	759.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/06/2019	785.01	28.04	756.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/26/2019	785.01	30.87	754.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-17A	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-17A	08/05/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-17A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/27/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-17A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-17A	11/05/2019	785.01	32.03	752.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/03/2020	785.01	31.92	753.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	04/27/2020	785.01	30.44	754.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	07/27/2020	785.01	31.16	753.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/03/2020	785.01	33.73	751.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	01/29/2021	785.01	32.16	752.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/11/2021	785.01	30.56	754.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/09/2021	785.01	32.73	752.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	11/09/2021	785.01	33.80	751.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	02/22/2022	785.01	34.19	750.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	05/10/2022	785.01	31.45	753.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/22/2022	785.01	32.34	752.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17A	08/25/2022	785.01	32.94	752.07	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-17B	06/03/2010	785.17	29.73	755.44	-	6.83	<1	<1	6.1	22.8	-	<1	<1	<5	123	<300	-	-	-	-	-	
MW-17B	08/17/2010	785.17	32.41	752.76	-	7.68	<1	<1	6.39	22.6	-	<1	1.02	<5	119	<150	-	-	-	-	-	
MW-17B	11/24/2010	785.17	33.91	751.26	-	5.69	<1	<1	4.8	26.3	-	<1	<1	31.6	<100	<150	-	-	-	-	-	
MW-17B	02/16/2011	785.17	34.51	750.66	-	11.4	<1	<1	7.35	21.4	-	<1	<1	<5	116	<150	-	-	-	-	-	
MW-17B	04/25/2011	785.17	29.42	755.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	04/28/2011	785.17	30.51	754.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/26/2011	785.17	28.77	756.40	-	10.6	<1	<1	5.74	25.7	-	<1	<1	<5	134	<150	-	-	-	-	-	
MW-17B	08/24/2011	785.17	31.84	753.33	-	8.46	<1	<1	3.79	21.6	-	<1	<1	17.7	106	<150	-	-	-	-	-	
MW-17B	11/28/2011	785.17	28.84	756.33	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/29/2011	785.17	28.46	756.71	-	11.4	<1	<1	-	30.6	<1	<1	1.46	33.5	<100	<156	<1	<1	2.43	<5	<1	
MW-17B	12/01/2011	785.17	28.97	756.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/06/2011	785.17	29.22	755.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/07/2011	785.17	29.08	756.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/08/2011	785.17	28.87	756.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/09/2011	785.17	28.50	756.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/13/2011	785.17	28.50	756.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/19/2011	785.17	27.65	757.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	12/28/2011	785.17	26.65	758.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/03/2012	785.17	26.59	758.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/09/2012	785.17	27.01	758.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/16/2012	785.17	27.34	757.83	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/19/2012	785.17	27.21	757.96	-	10.1	<1	<1	-	21.1	<1	<1	<1	18.7	<100	<152	<1	<1	1.63	<5	<1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-17A	11/05/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	04/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	07/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	11/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	01/29/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	05/11/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17A	08/25/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-17B	06/03/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	08/17/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	11/24/2010	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/16/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	05/26/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	08/24/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	11/29/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	01/16/2012	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-17B	01/24/2012	785.17	27.28	757.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/31/2012	785.17	27.57	757.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/08/2012	785.17	27.95	757.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/15/2012	785.17	28.12	757.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/22/2012	785.17	28.37	756.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/27/2012	785.17	28.98	756.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	03/05/2012	785.17	28.94	756.23	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	03/08/2012	785.17	29.34	755.83	-	10.3	<1	<1	-	24.9	<1	<1	<1	<5	<100	<152	<1	<1	4.05	<5	<1	<1
MW-17B	04/06/2012	785.17	30.01	755.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/07/2012	785.17	30.74	754.43	120.82	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/10/2012	785.17	30.65	754.52	120.82	9.19	<1	<1	-	13.2	<1	<1	<1	19.5	<100	<150	<1	<1	<1	<5	<1	<1
MW-17B	06/05/2012	785.17	29.74	755.43	-	-	-	-	-	VH	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	07/25/2012	785.17	31.11	754.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/20/2012	785.17	31.65	753.52	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/22/2012	785.17	31.77	753.40	120.70	13.2	<1	<1	-	24.3	<1	<1	1.13	22.1	<100	<150	<1	<1	1 QB	<5	<1	<1
MW-17B	09/04/2012	785.17	32.28	752.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	10/25/2012	785.17	32.68	752.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/05/2012	785.17	30.15	755.02	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/06/2012	785.17	30.18	754.99	-	10.7	<1.00	<1.00	-	19.1	<1.00	<1.00	<1.00	17.3	<100	<159	<1	<1	<1	<5	<1	<1
MW-17B	12/12/2012	785.17	30.07	755.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/22/2013	785.17	29.75	755.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/11/2013	785.17	28.42	756.75	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/12/2013	785.17	28.16	757.01	-	11.7	<1	<1	-	25.6	<1	<1	1.06	28.9	<100	<153	<1	<1	1 VC	<5	<1	<1
MW-17B	03/07/2013	785.17	28.22	756.95	-	-	-	-	-	VH	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	04/18/2013	785.17	28.80	756.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/13/2013	785.17	29.03	756.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/15/2013	785.17	29.14	756.03	126.60	11.8	<1	<1	↘	21.2	<1	<1	<1	<5	110	<156	<1	<1	<1	<5	<1	<1
MW-17B	06/03/2013	785.17	29.56	755.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	07/26/2013	785.17	30.43	754.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/05/2013	785.17	30.35	754.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/07/2013	785.17	30.59	754.58	126.89	12.4	<1	<1	↘	23.1	<1	<1	<1	<5	72.7 J	<150	<1.00	<1.00	<1	<5.00	<1	<1
MW-17B	09/05/2013	785.17	30.75	754.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-17B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	08/22/2012	<1	<1	1 QB	<1	<1	<1	<1	<1	<1	1 QB	<1	1 QB	<1	<1	1 QB	1 QB	<1	<1	<1	<1	
MW-17B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	02/12/2013	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	1 VC	<1	1 VC	1 VC	<1	1 VH	<1	<1	
MW-17B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	05/15/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-17B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-17B	08/07/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	
MW-17B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-17B	10/08/2013	785.17	31.75	753.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/18/2013	785.17	31.85	753.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/20/2013	785.17	32.02	753.15	-	12	<1	<1	<2	19.9	<1	<1	<1	<5	85.4 J	<27.1	-	-	<1	-	<1	
MW-17B	12/20/2013	785.17	31.38	753.79	-	-	-	-	-	-	-	-	-	-	-	-	<1.00	<1.00	-	<5.00	-	
MW-17B	02/24/2014	785.17	27.94	757.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	02/25/2014	785.17	27.92	757.25	-	11.3	<1	<1	<2	13.1	<1	<1	<1	7.09	72.3 J	<29.5	<1.00	<1.00	<1	<5.00	<1	
MW-17B	05/06/2014	785.17	24.95	760.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	05/07/2014	785.17	25.20	759.97	-	10.2	<1	<1	<2	16.2	<1	<1	<1	<5	46.2 J	<23.2	<1.00	<1.00	<1	<5.00	<1	
MW-17B	08/05/2014	785.17	29.77	755.40	-	2.05	<1	<1	<2	6.59	<1	<1	<1	<5	18.2 J	<24.3	<1.00	<1.00	<1	<5.00	<1	
MW-17B	11/03/2014	785.17	32.92	752.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	11/04/2014	785.17	32.98	752.19	-	10.2	<1	<1	<2	15.7	<1	<1	<1	11.80	51 J	28.3 J	<1.00	<1.00	<1	<5.00	<1	
MW-17B	02/02/2015	785.17	32.97	752.20	-	0.6	<0.1	<0.1	<0.1	4.6	<0.1	0.2 J	0.1 J	7.7 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-17B	05/18/2015	785.17	30.28	754.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	05/21/2015	785.17	30.21	754.96	-	8.4	<0.1	<0.1	0.2 J	18	<0.1	0.6	0.8	13.00	52	<45	<0.1	<0.3	0.3 J	<0.2	<0.1	
MW-17B	08/10/2015	785.17	30.75	754.42	-	6.9	<0.1	<0.1	<0.1	12	<0.1	0.4 J	0.5	12	41 J	<45	<0.1	<0.3	0.1 J	<0.2	<0.1	
MW-17B	11/02/2015	785.17	31.65	753.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	11/05/2015	785.17	31.91	753.26	-	4.4	<0.1	<0.1	<0.1	9.2	<0.1	0.4 J	0.4 J	9.4 J	26 J	<45	<0.1	<0.3	0.1 J	<0.2	<0.1	
MW-17B	02/08/2016	785.17	29.53	755.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	02/10/2016	785.17	29.28	755.89	-	6.7	<0.1	<0.1	0.1 J	13	<0.1	0.5 J	0.5	10	43 J	<45	<0.1	<0.3	0.2 J	<0.2	<0.1	
MW-17B	05/02/2016	785.17	27.63	757.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	05/04/2016	785.17	27.31	757.86	120	2.6	<0.1	<0.1	<0.1	6.3	<0.1	0.2 J	0.2 J	8.4 J	26 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-17B	08/01/2016	785.17	29.91	755.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	08/02/2016	785.17	29.94	755.23	-	4.4	<0.1	<0.1	<0.1	8.7	<0.1	0.3 J	0.3 J	8.5 J	31 J	<45	<0.1	<0.3	0.1 J	<0.2	<0.1	
MW-17B	11/07/2016	785.17	33.22	751.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	11/08/2016	785.17	33.21	751.96	-	0.7	<0.1	<0.1	<0.1	2.8	<0.1	0.1 J	<0.1	6.2 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-17B	01/23/2017	785.17	34.47	750.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	01/27/2017	785.17	34.42	750.75	-	0.3 J	<0.1	<0.1	<0.1	2	<0.1	0.1 J	<0.1	5 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-17B	05/03/2017	785.17	32.93	752.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	05/08/2017	785.17	32.64	752.53	-	5.7	<0.1	<0.1	0.2 J	10	<0.1	0.5 J	0.5 J	9.5 J	36 J	<45	<0.1	<0.3	0.2 J	<0.2	<0.1	
MW-17B	07/31/2017	785.17	32.36	752.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	08/02/2017	785.17	32.35	752.82	-	4.9	<0.1	<0.1	<0.1	9.7	<0.1	0.3 J	0.3 J	6.8 J	41 J	<45	<0.1	<0.3	0.1 J	<0.2	<0.1	
MW-17B	11/06/2017	785.17	32.95	752.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	11/09/2017	785.17	32.96	752.21	-	0.9	<0.1	<0.1	<0.1	2	<0.1	<0.1	<0.1	5.1 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-17B	02/12/2018	785.17	34.02	751.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-17B	02/13/2018	785.17	33.93	751.24	-	4.7	<0.1	<0.1	<0.1	7.8	<0.1	0.3 J	0.3 J	7.0 J	29 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-17B	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/20/2013	<1	-	<1	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	-	-	-
MW-17B	12/20/2013	-	<1.00	-	<1.00	<1.00	-	-	-	-	-	<1.00	-	-	-	-	-	-	-	-	<1.00	<1.00
MW-17B	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-17B	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-17B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-17B	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-17B	02/02/2015	0.2 J	<0.1	<0.1	<0.1	<0.1	-	-	-	-	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/21/2015	0.8	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	08/10/2015	0.6	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/05/2015	0.5 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/10/2016	0.6	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/04/2016	0.4 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/02/2016	0.5	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/08/2016	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	01/27/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/08/2017	0.6	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/02/2017	0.6	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/09/2017	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-17B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/13/2018	0.5	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-17B	06/11/2018	785.17	28.52	756.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	06/13/2018	785.17	28.25	756.92	-	0.2 J	<.1	<.1	<.1	1.1	<.1	<.1	<.1	<.4	<.20	<.45	<.1	<.3	<.1	<.2	<.1	<.1
MW-17B	08/20/2018	785.17	25.27	759.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/21/2018	785.17	25.34	759.83	-	3	<.05	<.05	<.08	5.3	<.09	0.2 J	<.3	5.6 J	18 J	<.45	<.06	<.06	<.05	<.2	<.05	<.05
MW-17B	11/07/2018	785.17	26.54	758.63	-	3.4	<.05	<.05	<.08	5.1	<.09	0.1 J	<.3	5.4 J	21 J	<.53	<.06	<.06	0.06 J	<.2	<.05	<.05
MW-17B	02/04/2019	785.17	25.63	759.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/06/2019	785.17	25.65	759.52	-	3.5	<.05	<.05	0.1 J	6.3	<.09	0.2 J	<.3	6.1 J	19 J	<.53	<.06	<.06	0.1 J	<.2	<.05	<.05
MW-17B	05/06/2019	785.17	27.94	757.23	-	3.5	<.05	<.05	0.1 J	6	<.09	0.3 J	<.3	5.1 J	23 J	<.53	<.06	<.06	0.1 J	<.2	<.05	<.05
MW-17B	08/26/2019	785.17	30.71	754.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/27/2019	785.17	30.71	754.46	-	3.3	<.05	<.05	<.1	5.4	<.09	0.2 J	<.3	6.8 J	15 J	<.53	<.06	<.06	0.1 J	<.2	<.05	<.05
MW-17B	11/05/2019	785.17	32.02	753.15	-	3.2	<.07	<.06	<.2	4.9	<.05	0.2 J	<.2	5.9 J	<.23	<.51	<.07	<.1	0.1 J	<.1	<.06	<.06
MW-17B	02/03/2020	785.17	31.90	753.27	-	2.3	<.07	<.06	<.2	4.3	<.05	0.2 J	<.2	4.7 J	<.23	<.50	<.07	<.1	0.08 J	<.1	<.06	<.06
MW-17B	04/27/2020	785.17	30.35	753.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	04/28/2020	785.17	30.35	754.82	-	3.1	<.07	<.06	<.2	5.4	<.05	0.3 J	0.2 J	4.1 J	<.23	<.49	<.07	<.1	0.09 J	<.1	<.06	<.06
MW-17B	07/27/2020	785.17	31.02	754.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	07/29/2020	785.17	31.10	754.07	-	2.4	0.11 J	<.060	0.21 J	4.4	<.050	0.18 J	<.20	3.4 J	<.23	<.58	<.07	<.10	0.086 J	<.1	<.06	<.06
MW-17B	11/03/2020	785.17	33.65	751.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/05/2020	785.17	33.73	751.44	-	2.3	<.070	<.060	<.15	4.2	<.050	0.21 J	<.20	4.0 J	<.23	<.56	<.070	<.10	0.088 J	<.10	<.060	<.060
MW-17B	01/29/2021	785.17	32.04	753.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/04/2021	785.17	31.85	753.32	-	2.6	<.070	<.060	<.15	4.6	<.050	0.2 J	<.20	3.6 J	<.23	<.59	<.070	<.10	0.063 J	<.10	<.060	<.060
MW-17B	05/11/2021	785.17	30.40	754.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/13/2021	785.17	31.75	753.42	-	2.5	<.070	<.060	<.15	4.3	<.050	0.20 J	<.20	3.5 J	<.23	<.59	<.070	<.10	<.060	<.10	<.060	<.060
MW-17B	08/09/2021	785.17	32.57	752.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/11/2021	785.17	32.60	752.57	-	2.6	<.070	<.060	<.15	4.4	<.050	0.18 J	<.20	3.2 J	<.23	<.56	<.070	<.10	<.060	<.10	<.060	<.060
MW-17B	11/09/2021	785.17	33.73	751.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/11/2021	785.17	33.75	751.42	-	2.0	<.070	<.060	<.15	3.6	0.059 J	0.16 J	<.20	<.1	<.23	<.57	<.070	<.10	0.072 J	<.10	<.060	<.060
MW-17B	02/22/2022	785.17	34.08	751.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/28/2022	785.17	34.23	750.94	-	2.2	<.070	<.060	<.15	3.9	<.050	0.19 J	<.20	4.6 J	<.23	<.57	<.070	<.10	<.060	<.10	<.060	<.060
MW-17B	05/10/2022	785.17	31.70	753.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/12/2022	785.17	31.81	753.36	-	2.2	<.070	<.060	<.15	3.9	<.050	0.18 J	<.20	2.3 J	<.23	<.56	<.070	<.10	<.060	<.10	<.060	<.060
MW-17B	08/22/2022	785.17	33.11	752.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/25/2022	785.17	32.52	752.65	-	1.9	<.080	<.080	<.070	3.8	<.080	0.16 J	<.20	<.3	<.23	<.57	<.10	<.10	<.080	<.10	<.080	<.080
MW-18A	06/04/2010	798.54	43.67	754.87	-	<.5	<.5	<.5	<.5	6,370	-	38.8	171	966	3,360	<.300	-	-	-	-	-	-
MW-18A	08/17/2010	798.54	46.37	752.17	-	2.20	<.2	<.2	<.2	5,950	-	51.0	217	3,240	1,000	169	-	-	-	-	-	-
MW-18A	11/24/2010	798.54	47.98	750.56	-	<.2	<.2	<.2	<.2	7,520	-	30.2	134	1,940	925	222	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-17B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-17B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/21/2018	0.4 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-17B	11/07/2018	0.4 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.07 J	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-17B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/06/2019	0.4 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.1 J	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-17B	05/06/2019	0.5 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.1 J	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-17B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/27/2019	0.4 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.1 J	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	
MW-17B	11/05/2019	0.3 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.1 J	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-17B	02/03/2020	0.3 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.1 J	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-17B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	04/28/2020	0.4 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.1 J	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-17B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	07/29/2020	0.31 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.095 J	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-17B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/05/2020	0.27 J	<0.060	<0.060	<0.070	<0.050	0.069 J	<0.060	<0.070	<0.090	<0.060	<0.050	0.11 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/04/2021	0.3 J	<0.060	<0.060	<0.070	<0.050	0.06 J	<0.060	<0.070	<0.090	<0.060	<0.050	0.11 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/13/2021	0.30 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.098 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/11/2021	0.34 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.11 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	11/11/2021	0.22 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.10 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	02/28/2022	0.23 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.11 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	05/12/2022	0.25 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	0.091 J	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-17B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17B	08/25/2022	0.28 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	0.096 J	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-18A	06/04/2010	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/17/2010	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/24/2010	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-18A	02/17/2011	798.54	48.70	749.84	-	2.20	<2	<2	2.58	10,300	-	40.4	196	2,990	923	178	-	-	-	-	-
MW-18A	04/25/2011	798.54	43.20	755.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/28/2011	798.54	45.43	753.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/27/2011	798.54	42.20	756.34	-	<2	<2	<2	<2	2,040	-	15.8	71.3	108	976	<150	-	-	-	-	-
MW-18A	08/25/2011	798.54	45.68	752.86	-	<2	<2	<2	<2	3,000	-	11.1	55.7	534	791	<150	-	-	-	-	-
MW-18A	11/28/2011	798.54	43.12	755.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/30/2011	798.54	42.90	755.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/01/2011	798.54	44.04	754.50	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/02/2011	798.54	-	-	-	<2	<2	<2	<4	3,520	<2.00	19.8	76.2	729	302	<164	<2	<2	<2	<10	<2
MW-18A	12/06/2011	798.54	43.27	755.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/07/2011	798.54	44.22	754.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/08/2011	798.54	44.97	753.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/09/2011	798.54	44.52	754.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/13/2011	798.54	42.98	755.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/19/2011	798.54	44.92	753.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	12/28/2011	798.54	42.58	755.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/03/2012	798.54	44.43	754.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/09/2012	798.54	44.83	753.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/16/2012	798.54	45.15	753.39	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/19/2012	798.54	44.72	753.82	-	<2	<2	<2	-	925	<2	<2	20.5	98.9	455	<153	<2	<2	<2	<10	<2
MW-18A	01/24/2012	798.54	44.96	753.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/31/2012	798.54	44.97	753.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/08/2012	798.54	45.37	753.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/15/2012	798.54	45.42	753.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/22/2012	798.54	45.40	753.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/27/2012	798.54	44.30	754.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	03/05/2012	798.54	47.86	750.68	68.70	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	03/08/2012	798.54	45.91	752.63	64.60	<2	<2	<2	-	333	<2	<2	2.84	43.1	192	<152	<2	<2	<2	<10	<2
MW-18A	04/06/2012	798.54	45.35	753.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/07/2012	798.54	46.90	751.64	68.20	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/10/2012	798.54	46.75	751.79	64.65	<2	<2	<2	-	86.3 VH	<2	<2	2.04	31.3	<100	<150	<2	<2	<2	<10	<2
MW-18A	06/05/2012	798.54	46.36	752.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	07/25/2012	798.54	47.27	751.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/20/2012	798.54	47.52	751.02	64.67	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18A	02/17/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	04/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/27/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	08/25/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/02/2011	2 V4	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-18A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/19/2012	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-18A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	03/08/2012	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
MW-18A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/10/2012	<	<	<	<	<	<	<	<	<	<	<	<	2 VC	<	<	<	<	<	<	<	
MW-18A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-18A	08/22/2012	798.54	47.52	751.02	64.67	<1	<1	<1	-	75	<1	<1	1.59	23.4	<100	<152	<1	<1	<1	<5	<1
MW-18A	09/04/2012	798.54	47.75	750.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	10/25/2012	798.54	47.44	751.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/05/2012	798.54	46.30	752.24	64.65	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/08/2012	798.54	-	-	-	<2	<2	<2	-	539	<2	<2	VH	226	<100	<152	<2	<2	<2	<10	<2
MW-18A	12/12/2012	798.54	44.92	753.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/22/2013	798.54	45.55	752.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/11/2013	798.54	43.91	754.63	64.68	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/14/2013	798.54	-	-	-	<1	<1	<1	-	122 QK	<1	<1	<1	17.5	<100	<152	<1	<1	<1	<5	<1
MW-18A	03/07/2013	798.54	43.95	754.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/18/2013	798.54	44.18	754.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/13/2013	798.54	44.42	754.12	64.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/16/2013	798.54	-	-	-	<0.5	<0.5	<0.5	<1	41.8	<0.5	<0.5	<0.5	<2.5	110	<150	-	-	-	-	-
MW-18A	06/03/2013	798.54	44.40	754.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	07/26/2013	798.54	45.63	752.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/05/2013	798.54	45.67	752.87	64.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/08/2013	798.54	-	-	-	<1	<1	<1	<2	9.58	<1	<1	<1	<5	15.6	51.0 J	<1.00	<1.00	<1 VH	<5.00	<1
MW-18A	09/05/2013	798.54	46.02	752.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	10/08/2013	798.54	46.72	751.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/18/2013	798.54	46.67	751.87	64.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/22/2013	798.54	-	-	-	<1	<1	<1	<2	7.66	<1	<1	<1	<5	19.2 J	<27.4	<1.00	<1.00	<1	<5.00	<1
MW-18A	12/20/2013	798.54	46.49	752.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/23/2014	798.54	43.74	754.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/10/2014	798.54	42.85	755.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/24/2014	798.54	43.95	754.59	64.68	<1	<1	<1	<2	34.9	<1	<1	<1	<5	62.1 J	<27.1	<1.00	<1.00	<1	<5.00	<1
MW-18A	03/11/2014	798.54	41.36	757.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	03/21/2014	798.54	43.14	755.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/04/2014	798.54	40.65	757.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/21/2014	798.54	42.90	755.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/06/2014	798.54	39.48	759.06	64.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/08/2014	798.54	-	-	-	<1	<1	<1	<2	26.6	<1	<1	<1	<5	43.3 J	134 J	<1.00	<1.00	<1	<5.00	<1
MW-18A	05/22/2014	798.54	42.20	756.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	06/09/2014	798.54	40.51	758.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18A	08/22/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-18A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	11/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VC	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-18A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-18A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/16/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
MW-18A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	08/08/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	11/22/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18A	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18A	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18A	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18A	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-18A	06/23/2014	798.54	43.85	754.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	07/10/2014	798.54	42.72	758.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/05/2014	798.54	43.91	754.63	-	<1	<1	<1	<2	11.8	<1	<1	<1	<5	<13	<24.1	<1.00	<1.00	<1	<5.00	<1	-
MW-18A	11/03/2014	798.54	46.94	751.60	64.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/06/2014	798.54	-	-	-	<1	<1	<1	<2	9.46	<1	<1	<1	<5	<13	26.7 J	<1.00	<1.00	<1	<5.00	<1	-
MW-18A	02/02/2015	798.54	47.22	751.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/05/2015	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	5	<0.1	<0.1	<0.1	<4.0	<20	56 J	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	03/19/2015	798.54	46.07	752.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/08/2015	798.54	46.85	751.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/18/2015	798.54	46.67	751.87	64.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/21/2015	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	15	<0.1	<0.1	0.3 J	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	08/10/2015	798.54	47.24	751.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/12/2015	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	6.5	<0.1	<0.1	0.1 J	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	11/02/2015	798.54	48.01	750.53	64.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/05/2015	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	2.8	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	02/08/2016	798.54	46.24	752.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/11/2016	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	9.2	<0.1	<0.1	0.1 J	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	05/02/2016	798.54	44.62	753.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/04/2016	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	08/01/2016	798.54	46.69	751.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/03/2016	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	11/07/2016	798.54	47.48	751.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/10/2016	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	1.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	01/23/2017	798.54	48.53	750.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/26/2017	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	3.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	05/03/2017	798.54	46.85	751.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/09/2017	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	5.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	07/31/2017	798.54	46.29	752.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/02/2017	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	11/06/2017	798.54	46.93	751.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/09/2017	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	23 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	02/12/2018	798.54	48.25	750.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/16/2018	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	3.4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-18A	06/11/2018	798.54	42.67	755.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	06/14/2018	798.54	-	-	-	<0.1	<0.1	<0.1	<0.1	2.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18A	06/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	07/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18A	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	03/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/16/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-18A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-18A	08/20/2018	798.54	39.68	758.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/24/2018	798.54	-	798.54	-	<0.05	<0.05	<0.05	<0.08	3.9	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-18A	11/07/2018	798.54	41.22	757.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/04/2019	798.54	39.92	758.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/06/2019	798.54	42.20	756.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/26/2019	798.54	44.65	753.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/05/2019	798.54	46.19	752.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/03/2020	798.54	45.79	752.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/27/2020	798.54	44.20	754.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	07/27/2020	798.54	45.22	753.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/03/2020	798.54	47.59	750.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/29/2021	798.54	46.37	752.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/11/2021	798.54	44.29	754.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/09/2021	798.54	46.50	752.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/09/2021	798.54	47.80	750.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/22/2022	798.54	48.50	750.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/10/2022	798.54	46.52	752.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/22/2022	798.54	46.29	752.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/29/2022	798.54	46.79	751.75	-	<0.10	<0.080	<0.080	<0.070	0.39 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
MW-18B	06/04/2010	799.12	44.18	754.94	-	25.8	<5	<5	16.7	4,310	-	57.6	266	4,770	4,410	<300	-	-	-	-	-
MW-18B	08/17/2010	799.12	47.20	751.92	-	73.5	<5	<5	43.4	13,000	-	166	432	7,110	1,310	375	-	-	-	-	-
MW-18B	11/24/2010	799.12	48.80	750.32	-	25.1	<5	<5	13.1	11,900	-	53.1	251	4,990	1,220	426	-	-	-	-	-
MW-18B	02/17/2011	799.12	50.50	748.62	-	28.2	<5	<5	17.2	8,100	-	65.3	329	4,980	1,150	250	-	-	-	-	-
MW-18B	04/25/2011	799.12	43.78	755.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/28/2011	799.12	45.41	753.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/27/2011	799.12	42.93	756.19	-	23.0	<5	<5	<5	8,290	-	85.7	392	2,700	1,560	<150	-	-	-	-	-
MW-18B	08/25/2011	799.12	46.51	752.61	-	23.4	<5	<5	<5	10,400	-	70.5	296	3,350	1,170	<150	-	-	-	-	-
MW-18B	11/28/2011	799.12	43.85	755.27	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/01/2011	799.12	44.43	754.69	-	10.5	5.40	<2.00	-	9,690	<2.00	39.9	195	3,130	294	<153	<2	<2	<2	<10	<2
MW-18B	12/06/2011	799.12	43.96	755.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/07/2011	799.12	44.45	754.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/08/2011	799.12	45.10	754.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/09/2011	799.12	45.13	753.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/13/2011	799.12	43.71	755.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/19/2011	799.12	45.14	753.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/24/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.1 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-18A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18A	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	0.19 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-18B	06/04/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/17/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/24/2010	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/17/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/25/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/27/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/25/2011	Δ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/01/2011	2 V4	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
MW-18B	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-18B	12/28/2011	799.12	43.29	755.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/03/2012	799.12	44.76	754.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/09/2012	799.12	45.21	753.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/16/2012	799.12	45.58	753.54	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/20/2012	799.12	45.30	753.82	-	3.64	<2	<2	-	4,110	<2	21.7	73.9	1,180	989	<153	<2	<2	<2	<10	<2	
MW-18B	01/24/2012	799.12	45.38	753.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/31/2012	799.12	45.47	753.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/08/2012	799.12	45.85	753.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/15/2012	799.12	45.90	753.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/22/2012	799.12	45.94	753.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/27/2012	799.12	44.99	754.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	03/05/2012	799.12	46.35	752.77	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	03/08/2012	799.12	46.61	752.51	-	3.42	<2	<2	-	4,820	<2	18.5	103	1,990	618	<152	<2	<2	<2	<10	<2	
MW-18B	04/06/2012	799.12	46.18	752.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/07/2012	799.12	47.43	751.69	120.36	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/08/2012	799.12	47.45	751.67	120.36	<2	<2	<2	-	1,420 VH	<2	7.8 VH	36.8	779	184	<152	<2	<2	<2	<10	<2	
MW-18B	06/05/2012	799.12	47.04	752.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	07/25/2012	799.12	47.77	751.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/20/2012	799.12	48.02	751.10	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/22/2012	799.12	48.03	751.09	122.30	<2	<2	<2	-	1,810	<2	14.1	78.3	1,010	<100	<150	<2	<2	<2	<10	<2	
MW-18B	09/04/2012	799.12	48.14	750.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	10/25/2012	799.12	48.12	751.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/05/2012	799.12	46.51	752.61	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/07/2012	799.12	46.25	752.87	-	<2	<2	<2	-	2,850 VH	<2	26.9 VH	126	881	<100	<156	<2	<2	<2	<10	<2	
MW-18B	12/12/2012	799.12	45.54	753.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/22/2013	799.12	46.18	752.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/11/2013	799.12	44.44	754.68	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/14/2013	799.12	44.44	754.68	-	3.02	<2	<2	-	3,600 QK, VH	<2	19.1	93.5 VH	1,460 QK, VC	<100	<153	<2	<2	2 VC	<10	<2	
MW-18B	03/07/2013	799.12	44.55	754.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/18/2013	799.12	44.80	754.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/13/2013	799.12	45.00	754.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/20/2012	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	2 C	∠	∠	∠	∠	∠	∠	∠	
MW-18B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	03/08/2012	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	
MW-18B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/08/2012	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	2 VC	∠	∠	∠	∠	∠	∠	∠	
MW-18B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	08/22/2012	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	
MW-18B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	11/07/2012	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	
MW-18B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/14/2013	∠	∠	2 VC	∠	∠	∠	∠	∠	∠	∠	∠	2 VC	2 VC	2 VC	2 VC	2 VC	∠	2 VH	∠	∠	
MW-18B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-18B	05/16/2013	799.12	45.12	754.00	-	2.96	<2	<2	<4	1,890	<2	12.3	36	213	804	<153	<2	<2	<2	<10	<2
MW-18B	06/03/2013	799.12	45.26	753.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	07/26/2013	799.12	45.84	753.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/05/2013	799.12	46.05	753.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/09/2013	799.12	46.18	752.94	-	2.24	<2	<2	<4	1,280	<2	12.8	47.2	584	789	<150	<2.00	<2.00	<2	<10.0	<2
MW-18B	09/05/2013	799.12	46.34	752.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	10/08/2013	799.12	47.98	751.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/18/2013	799.12	47.05	752.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/21/2013	799.12	47.15	751.97	-	<2	<2	<2	<4	943	<2	7.16	29.7	449	495	55.6 J	<2.00	<2.00	<2	<10.0	<2
MW-18B	12/20/2013	799.12	47.22	751.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/23/2014	799.12	44.09	755.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/10/2014	799.12	43.37	755.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/24/2014	799.12	43.94	755.18	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-
MW-18B	02/27/2014	799.12	43.77	755.35	-	<2	<2	<2	<4	1,090	<2.00	9.72	35.7	520	1,090	<27.7	<2.00	<2.00	<2	<10.0	<2
MW-18B	03/11/2014	799.12	42.05	757.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	03/21/2014	799.12	43.25	755.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/04/2014	799.12	41.61	757.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/21/2014	799.12	42.92	756.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/06/2014	799.12	40.46	758.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/09/2014	799.12	41.07	758.05	-	<1	<1	<1	<2	107	<1	1.4	<1	13.2	156	<23.4	<1.00	<1.00	<1	<5.00	<1
MW-18B	05/22/2014	799.12	42.20	756.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	06/09/2014	799.12	41.42	757.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	06/23/2014	799.12	43.85	755.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	07/10/2014	799.12	43.35	755.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/05/2014	799.12	44.56	754.56	-	8.77	<1	<1	<2	4,420	<1	13.4	66.2	1,160	110	37.0 J	<1.00	<1.00	<1	<5.00	<1
MW-18B	11/03/2014	799.12	47.23	751.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/06/2014	799.12	47.34	751.78	-	<1	<1	<1	<2	23	<1	<1	<1	<5	25.5 J	28.5 J	<1.00	<1.00	<1	<5.00	<1
MW-18B	02/02/2015	799.12	47.83	751.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/04/2015	799.12	47.94	751.18	-	5.6	<1.0	<1.0	<1.0	2,300	<1.0	9.6	46	800	1,900	<45	<1.0	<3.0	<1	<2.0	<1
MW-18B	03/19/2015	799.12	47.45	751.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/08/2015	799.12	46.48	752.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/18/2015	799.12	46.43	752.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/21/2015	799.12	46.40	752.72	-	1.9 J	<1.0	<1.0	<1.0	400	<1.0	5.5	11	730	370	<45	<1.0	<3.0	<1	<2.0	<1
MW-18B	08/10/2015	799.12	46.90	752.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18B	05/16/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	12	<2	<2	<2	<2	<2	<2	<2	<2	
MW-18B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	08/09/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-18B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	11/21/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-18B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	01/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/27/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-18B	03/11/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	03/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	04/04/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	04/21/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/09/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18B	05/22/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	06/09/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	06/23/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	07/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-18B	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-18B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	02/04/2015	<1	<1.0	<1	<1.0	<1.0	<1	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1.0	
MW-18B	03/19/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	04/08/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-18B	05/21/2015	<1	<1.0	<1	<1.0	<1.0	<1	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<1.0	
MW-18B	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-18B	08/12/2015	799.12	47.03	752.09	-	2.2	<0.1	<0.1	<0.1	55	<0.1	5.8	3	1200	88	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	11/02/2015	799.12	48.06	751.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/06/2015	799.12	48.06	751.06	-	3.2	<0.1	<0.1	0.1 J	190	<0.1	6.8	6.4	1,100	260	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	02/08/2016	799.12	46.40	752.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/11/2016	799.12	45.90	753.22	-	0.1 J	<0.1	<0.1	<0.1	50	<0.1	0.3 J	1	30	60	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	05/02/2016	799.12	44.38	754.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/05/2016	799.12	44.38	754.74	120	<0.1	<0.1	<0.1	<0.1	9.8	<0.1	0.2 J	0.1 J	30	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	08/01/2016	799.12	46.33	752.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/04/2016	799.12	46.44	752.68	-	3.1 J	<2.0	<2.0	<2.0	1,200	<2.0	5 J	20	720	1,400	<45	<2.0	<6.0	<2.0	<4.0	<2.0
MW-18B	11/07/2016	799.12	48.00	751.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/11/2016	799.12	47.94	751.18	-	0.1 J	<0.1	<0.1	<0.1	15	<0.1	0.2 J	0.3 J	28	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	01/23/2017	799.12	49.03	750.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/30/2017	799.12	48.92	750.20	-	0.1 J	<0.1	<0.1	<0.1	29	<0.1	0.3 J	0.7	23	34 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	05/03/2017	799.12	47	752.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/10/2017	799.12	46.63	752.49	-	0.3 J	<0.1	<0.1	<0.1	76	<0.1	0.8	1.7	93	100	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	07/31/2017	799.12	46.38	752.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/02/2017	799.12	46.34	752.78	-	<0.1	<0.1	<0.1	<0.1	13	<0.1	0.2 J	0.2 J	10 J	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	11/06/2017	799.12	47.58	751.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/13/2017	799.12	47.67	751.45	-	2.9 J	<2.0	<2.0	<2.0	850	<2.0	4.4 J	13	840	1000	<45	<2.0	<6.0	<2.0	<4.0	<2.0
MW-18B	02/12/2018	799.12	49.03	750.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/16/2018	799.12	48.87	750.25	-	2.2 J	<0.1	<0.1	<0.1	830	<0.1	4.7 J	14	610	950	<45	<2.0	<6.0	<0.1	<4.0	<0.1
MW-18B	06/11/2018	799.12	42.88	756.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	06/18/2018	799.12	42.41	756.71	-	0.1 J	<0.1	<0.1	<0.1	22	<0.1	0.2 J	0.5	23	36 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-18B	08/20/2018	799.12	39.55	759.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/23/2018	799.12	39.61	759.51	-	1.2 J	<0.5	<0.5	<0.8	430	<0.9	3.0 J	9.3 J	270	350	<45	<0.6	<0.6	<0.5	<2.0	<0.5
MW-18B	11/07/2018	799.12	40.80	758.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/08/2018	799.12	40.96	758.16	-	0.1 J	<0.05	<0.05	<0.08	23	<0.09	0.1 J	<0.3	21	26 J	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-18B	02/04/2019	799.12	39.83	759.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/07/2019	799.12	39.83	759.29	-	0.4 J	0.05 J	<0.05	<0.08	94	<0.09	0.8	2.1	74	120	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-18B	05/06/2019	799.12	41.70	757.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/07/2019	799.12	41.78	757.34	-	0.7	0.06 J	<0.05	0.1 J	170	<0.09	1.3	3.6	120	180	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-18B	08/26/2019	799.12	44.17	754.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/27/2019	799.12	44.23	754.89	-	1.0 J	<0.5	<0.5	<1.3	250	<0.9	1.8 J	5.1 J	160	350	<53	<0.6	<0.6	<0.5	<2.0	<0.5
MW-18B	11/05/2019	799.12	46.38	752.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/06/2019	799.12	46.33	752.79	-	1.3 J	<0.7	<0.6	<1.5	370	<0.5	2.4 J	7	350	450	<49	<0.7	<1.0	<0.6	<1.0	<0.6

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18B	08/12/2015	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/06/2015	0.5 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.3 J	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	<0.1
MW-18B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/04/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-18B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	01/30/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/10/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/13/2017	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-18B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/16/2018	<0.1	<2.0	<0.1	<2.0	<2.0	<8.0	<0.1	<0.1	<0.1	<0.2	<2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.0	<2.0
MW-18B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	06/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-18B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/23/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5
MW-18B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/08/2018	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-18B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/07/2019	0.1 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-18B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/07/2019	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-18B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/27/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<8.0	<0.5
MW-18B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/06/2019	<0.5	<0.6	<0.6	<0.7	<0.5	<0.6	<0.6	<0.7	<0.9	<0.6	<0.5	<0.5	<0.5	<0.6	<0.5	<0.6	<0.7	<0.6	<0.6	<2.0	<0.6



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-18B	02/03/2020	799.12	45.83	753.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/05/2020	799.12	45.68	753.44	-	1.5 J	<0.7	<0.6	<1.5	490	<0.5	3.5 J	9.8	340	560	<50	<0.7	<1.0	<0.6	<1.0	<0.6	<0.6
MW-18B	04/27/2020	799.12	43.97	755.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/28/2020	799.12	43.91	755.21	-	1.4 J	<0.7	<0.6	<1.5	510	<0.5	3.5 J	9.4	440	640	<49	<0.7	<1.0	<0.6	<1.0	<0.6	<0.6
MW-18B	07/27/2020	799.12	44.96	754.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/03/2020	799.12	44.79	754.33	-	0.10 J	0.22 J	<0.06	<0.15	15	<0.05	<0.05	0.30 J	15	30 J	<58	<0.07	<0.10	<0.06	<0.1	<0.06	<0.06
MW-18B	11/03/2020	799.12	47.45	751.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/09/2020	799.12	47.53	751.59	-	0.17 J	<0.070	<0.060	<0.15	27	0.089 J	0.4 J	0.66	39	25 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060	<0.060
MW-18B	11/29/2021	799.12	46.35	752.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/08/2021	799.12	46.06	753.06	-	0.59 J	<0.70	<0.60	<1.5	290	<0.50	2.1 J	5.9	300	400	<59	<0.70	<1.0	<0.60	<1.0	<0.60	<0.60
MW-18B	05/11/2021	799.12	43.68	755.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/18/2021	799.12	43.94	755.18	-	0.93 J	2.3 J	<0.60	3.0 J	250	2.2 J	2.2 J	5.5	260	310	<56	<0.70	<1.0	0.75 J	<1.0	<0.60	<0.60
MW-18B	08/09/2021	799.12	46.10	753.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/16/2021	799.12	46.29	752.83	-	<0.50	<0.70	<0.60	<1.5	100	<0.50	0.72 J	2.2 J	100	120	<58	<0.70	<1.0	<0.60	<1.0	<0.60	<0.60
MW-18B	11/09/2021	799.12	47.48	751.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/15/2021	799.12	-	-	-	0.54	<0.070	<0.060	<0.15	110	<0.050	1.0	2.5	78	120	<56	<0.070	<0.10	<0.060	<0.10	<0.060	<0.060
MW-18B	02/22/2022	799.12	48.38	750.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	03/01/2022	799.12	48.38	750.74	-	0.42 J	<0.070	<0.060	<0.15	29	<0.050	0.84	0.79	220	48 J	<57	<0.070	<0.10	<0.060	<0.10	<0.060	<0.060
MW-18B	05/10/2022	799.12	46.76	752.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/12/2022	799.12	46.59	752.53	-	0.094 J	<0.070	<0.060	<0.15	10	<0.050	0.16 J	0.23 J	18	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	<0.060
MW-18B	08/22/2022	799.12	45.89	753.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/29/2022	799.12	45.91	753.21	-	0.71	0.15 J	<0.080	0.16 J	260	<0.080	1.8	5.3	210	140	<58	<0.10	<0.10	<0.080	<0.10	<0.080	<0.080
MW-19A	07/07/2011	761.83	24.75	737.08	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-19A	08/24/2011	761.83	26.54	735.29	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-19A	11/28/2011	761.83	22.79	739.04	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/01/2011	761.83	22.50	739.33	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<154	<1	<1	<1	<5	<1	<1
MW-19A	12/06/2011	761.83	22.29	739.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/07/2011	761.83	22.15	739.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/08/2011	761.83	21.42	740.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/09/2011	761.83	22.28	739.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/13/2011	761.83	21.88	739.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/19/2011	761.83	21.63	740.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/28/2011	761.83	19.21	742.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/03/2012	761.83	22.06	739.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/09/2012	761.83	22.54	739.29	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-18B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/05/2020	0.5 J	<0.6	<0.6	<0.7	<0.5	<0.6	<0.6	<0.7	<0.9	<0.6	<0.5	<0.5	<0.5	<0.6	<0.5	<0.6	<0.7	<0.6	<20	<0.6	
MW-18B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	04/28/2020	0.6 J	<0.6	<0.6	<0.7	<0.5	<0.6	<0.6	<0.7	<0.9	<0.6	<0.5	<0.5	<0.5	<0.6	<0.5	<0.6	<0.7	<0.6	<20	<0.6	
MW-18B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
MW-18B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/09/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	0.11 J	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-18B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	02/08/2021	<0.50	<0.60	<0.60	<0.70	<0.50	<0.60	<0.60	<0.70	<0.90	<0.60	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.70	<0.60	<20	<0.60	
MW-18B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/18/2021	<0.50	<0.60	<0.60	<0.70	<0.50	<0.60	<0.60	<0.70	<0.90	<0.60	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.70	<0.60	<20	<0.60	
MW-18B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/16/2021	<0.50	<0.60	<0.60	<0.70	<0.50	<0.60	<0.60	<0.70	<0.90	<0.60	<0.50	<0.50	<0.50	<0.60	<0.50	<0.60	<0.70	<0.60	<20	<0.60	
MW-18B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	11/15/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-18B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	03/01/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-18B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
MW-18B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18B	08/29/2022	0.14 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-19A	07/07/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/24/2011	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/01/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-19A	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-19A	01/16/2012	761.83	23.08	738.75	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<166	<1	<1	<1	<5	<1
MW-19A	01/24/2012	761.83	23.30	738.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/31/2012	761.83	23.70	738.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/08/2012	761.83	24.03	737.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/15/2012	761.83	24.19	737.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/22/2012	761.83	24.22	737.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/27/2012	761.83	24.64	737.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	03/05/2012	761.83	24.82	737.01	59.20	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	03/07/2012	761.83	25.00	736.83	55.70	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<159	<1	<1	<1	<5	<1
MW-19A	04/06/2012	761.83	25.65	736.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/07/2012	761.83	26.38	735.45	55.62	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/08/2012	761.83	26.77	735.06	55.62	<2	<2	<2	-	<2	<2	<2	<2	<10	<100	173	<2	<2	<2	<10	<2
MW-19A	06/05/2012	761.83	26.81	735.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	07/25/2012	761.83	27.33	734.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/20/2012	761.83	27.83	734.00	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/21/2012	761.83	27.86	733.97	55.45	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
MW-19A	09/04/2012	761.83	28.16	733.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	10/25/2012	761.83	28.83	733.00	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/05/2012	761.83	25.79	736.04	-	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<150	<1	<1	<1	<5	<1
MW-19A	12/12/2012	761.83	25.30	736.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/22/2013	761.83	24.89	736.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/11/2013	761.83	22.30	739.53	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/13/2013	761.83	22.36	739.47	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<150	<1	<1	1 VC	<5	<1
MW-19A	03/07/2013	761.83	23.34	738.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	04/18/2013	761.83	23.72	738.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/13/2013	761.83	24.35	737.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/14/2013	761.83	24.42	737.41	49.90	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<158	<1	<1	<1	<5	<1
MW-19A	07/26/2013	761.83	26.15	735.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	06/03/2013	761.83	25.06	736.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/05/2013	761.83	26.35	735.48	32.10	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	<162	<2.00	<2.00	<2	<10.0	<2
MW-19A	09/05/2013	761.83	26.50	735.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	10/08/2013	761.83	27.19	734.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/18/2013	761.83	26.90	734.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-19A	01/16/2012	<1	<1	<1	<1	<1	.	<1	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-19A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19A	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	11/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19A	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	<1	
MW-19A	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19A	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	08/05/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-19A	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-19A	11/20/2013	761.83	27.14	734.69	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1
MW-19A	12/20/2013	761.83	26.55	735.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/24/2014	761.83	18.77	743.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/06/2014	761.83	18.63	743.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/07/2014	761.83	18.80	743.03	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.7	<1.00	<1.00	<1	<5.00	<1
MW-19A	08/05/2014	761.83	25.56	736.27	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	41.6 J	<24.6	<1.00	<1.00	<1	<5.00	<1
MW-19A	11/03/2014	761.83	28.15	733.68	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.9	<1.00	<1.00	<1	<5.00	<1
MW-19A	02/02/2015	761.83	28.53	733.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/18/2015	761.83	26.30	735.53	55.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	08/10/2015	761.83	27.68	734.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/12/2015	761.83	27.70	734.13	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	11/02/2015	761.83	29.17	732.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/04/2015	761.83	29.22	732.61	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	02/08/2016	761.83	24.66	737.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	03/09/2016	761.83	21.33	740.50	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	05/02/2016	761.83	24.47	737.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/05/2016	761.83	24.45	737.38	55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	08/01/2016	761.83	27.13	734.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/02/2016	761.83	27.15	734.68	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	11/07/2016	761.83	29.48	732.35	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	01/23/2017	761.83	30.23	731.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/30/2017	761.83	30.11	731.72	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	58 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	05/03/2017	761.83	26.02	735.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/09/2017	761.83	25.95	735.88	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	07/31/2017	761.83	26.93	734.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/01/2017	761.83	26.85	734.98	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	11/06/2017	761.83	28.53	733.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/13/2017	761.83	28.69	733.14	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	02/12/2018	761.83	28.27	733.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/15/2018	761.83	29.48	732.35	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	06/11/2018	761.83	22.15	739.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	06/15/2018	761.83	21.99	739.84	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19A	08/20/2018	761.83	20.18	741.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/22/2018	761.83	17.95	743.88	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-19A	11/07/2018	761.83	20.86	740.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-19A	11/20/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19A	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19A	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19A	11/03/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/18/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	03/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	11/07/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/30/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/13/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	06/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-19A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-19A	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-19A	02/04/2019	761.83	20.27	741.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/06/2019	761.83	23.38	738.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/26/2019	761.83	25.81	736.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/05/2019	761.83	27.48	734.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/03/2020	761.83	25.48	736.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	04/27/2020	761.83	24.03	737.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	07/27/2020	761.83	25.00	736.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/03/2020	761.83	28.58	733.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	01/29/2021	761.83	26.84	734.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/11/2021	761.83	24.50	737.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/09/2021	761.83	26.89	734.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	11/09/2021	761.83	28.74	733.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	02/22/2022	761.83	28.78	733.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	05/10/2022	761.83	23.99	737.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	07/07/2011	762.80	62.11	700.69	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-19B	08/24/2011	762.80	29.25	733.55	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-19B	11/28/2011	762.80	16.61	746.19	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/01/2011	762.80	17.00	745.80	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<154	<1	<1	<1	<5	<1	<1
MW-19B	12/06/2011	762.80	19.80	743.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/07/2011	762.80	19.80	743.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/08/2011	762.80	18.75	744.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/09/2011	762.80	18.82	743.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/13/2011	762.80	18.94	743.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/19/2011	762.80	19.04	743.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	12/28/2011	762.80	18.97	743.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/03/2012	762.80	19.15	743.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/09/2012	762.80	19.27	743.53	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/16/2012	762.80	19.65	743.15	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<160	<1	<1	<1	<5	<1	<1
MW-19B	01/24/2012	762.80	20.98	741.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/31/2012	762.80	21.03	741.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/08/2012	762.80	21.17	741.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/15/2012	762.80	21.28	741.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/22/2012	762.80	21.43	741.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/27/2012	762.80	21.52	741.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-19A	02/04/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/06/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	08/26/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	11/05/2019	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	04/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	07/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	11/03/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	01/29/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/11/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	08/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19A	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	07/07/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	08/24/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/01/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	01/16/2012	<1	<1	<1	<1	<1	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-19B	03/05/2012	762.80	21.75	741.05	121.30	-	-	-	<4	-	<1	<1	<1	<5	<100	<155	<1	<1	<1	<5	<1
MW-19B	03/07/2012	762.80	21.74	741.06	121.30	<1	<1	<1	-	<1	<1	<1	<1	<5	-	-	<1	<1	<1	<5	<1
MW-19B	04/06/2012	762.80	23.02	739.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/07/2012	762.80	23.35	739.45	121.04	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/08/2012	762.80	23.36	739.44	121.04	<2	<2	<2	-	<2	<2	<2	<2	<10	<100	<162	<2	<2	<2	<10	<2
MW-19B	06/05/2012	762.80	32.02	730.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	07/25/2012	762.80	24.32	738.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/20/2012	762.80	24.83	737.97	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/21/2012	762.80	24.83	737.97	121.00	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1
MW-19B	09/04/2012	762.80	24.75	738.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	10/25/2012	762.80	22.66	740.14	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/05/2012	762.80	5.54	757.26	-	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<152	<1	<1	<1	<5	<1
MW-19B	12/12/2012	762.80	16.30	746.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/22/2013	762.80	24.89	737.91	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/11/2013	762.80	22.13	740.67	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/13/2013	762.80	22.05	740.75	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<150	<1	<1	1 VC	<5	<1
MW-19B	03/07/2013	762.80	22.96	739.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	04/18/2013	762.80	21.81	740.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/13/2013	762.80	21.93	740.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/14/2013	762.80	21.95	740.85	122.05	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<158	<1	<1	<1	<5	<1
MW-19B	06/03/2013	762.80	25.04	737.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	07/26/2013	762.80	24.18	738.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/05/2013	762.80	23.09	739.71	122.06	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	<150	<2.00	<2.00	<2	<10.0	<2
MW-19B	09/05/2013	762.80	24.06	738.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	10/08/2013	762.80	24.44	738.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/18/2013	762.80	24.60	738.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/20/2013	762.80	24.65	738.15	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1
MW-19B	12/20/2013	762.80	25.89	736.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/24/2014	762.80	20.11	742.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/06/2014	762.80	18.42	744.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/07/2014	762.80	18.35	744.45	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<24.1	<1.00	<1.00	<1	<5.00	<1
MW-19B	08/05/2014	762.80	19.97	742.83	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	35.0 J	<1.00	<1.00	<1	<5.00	<1
MW-19B	11/03/2014	762.80	24.86	737.94	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	50.6 J	<1.00	<1.00	<1	<5.00	<1
MW-19B	02/02/2015	762.80	22.51	740.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-19B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-19B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	
MW-19B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	11/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	1 VC	<1	<1	<1	<1	<1	
MW-19B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-19B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	08/05/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-19B	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	11/20/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19B	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19B	11/03/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-19B	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-19B	05/18/2015	762.80	21.57	741.23	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	08/10/2015	762.80	24.58	738.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/12/2015	762.80	24.66	738.14	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	11/02/2015	762.80	29.65	733.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/04/2015	762.80	29.66	733.14	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	02/08/2016	762.80	1.45	761.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	03/09/2016	762.80	3.89	758.91	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	05/02/2016	762.80	24.92	737.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/05/2016	762.80	26.84	735.96	120	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	08/01/2016	762.80	24.40	738.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/02/2016	762.80	24.42	738.38	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	11/07/2016	762.80	26.58	736.22	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	01/23/2017	762.80	25.74	737.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/30/2017	762.80	17.22	745.58	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	05/03/2017	762.80	25.8	737.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/09/2017	762.80	26.1	736.70	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	07/31/2017	762.80	25.55	737.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/01/2017	762.80	25.50	737.30	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	11/06/2017	762.80	26.18	736.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/13/2017	762.80	26.23	736.57	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	02/12/2018	762.80	25.58	737.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/15/2018	762.80	25.17	737.63	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	06/11/2018	762.80	21.68	741.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	06/15/2018	762.80	21.85	740.95	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-19B	08/20/2018	762.80	20.10	742.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/22/2018	762.80	21.19	741.61	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-19B	11/07/2018	762.80	21.20	741.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/04/2019	762.80	17.62	745.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/06/2019	762.80	21.65	741.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/26/2019	762.80	24.96	737.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/05/2019	762.80	26.60	736.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/03/2020	762.80	24.54	738.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	04/27/2020	762.80	22.78	740.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	07/27/2020	762.80	23.64	739.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/03/2020	762.80	19.45	743.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-19B	05/18/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	03/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	11/07/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	01/30/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/13/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	06/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-19B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-19B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-19B	01/29/2021	762.80	21.72	741.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/11/2021	762.80	21.21	741.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/09/2021	762.80	23.48	739.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	11/09/2021	762.80	25.68	737.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	02/22/2022	762.80	27.33	735.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	05/10/2022	762.80	26.02	736.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	07/07/2011	758.61	28.75	729.86	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-20A	08/24/2011	758.61	31.60	727.01	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-20A	11/28/2011	758.61	27.56	731.05	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/01/2011	758.61	27.53	731.08	-	<1	<1	<1	-	1.01	<1	<1	<1	<5	<100	<160	<1	<1	<1	<5	<1	<1
MW-20A	12/06/2011	762.80	27.37	735.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/07/2011	758.61	27.23	731.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/08/2011	758.61	27.25	731.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/09/2011	758.61	27.07	731.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/13/2011	758.61	26.91	731.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/19/2011	758.61	26.65	731.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	12/28/2011	758.61	26.32	732.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	01/03/2012	758.61	26.30	732.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	01/09/2012	758.61	26.56	732.05	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	01/16/2012	758.61	27.00	731.61	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<172	<1	<1	<1	<5	<1	<1
MW-20A	01/24/2012	758.61	27.08	731.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	01/31/2012	758.61	27.43	731.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/08/2012	758.61	27.17	731.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/15/2012	758.61	28.08	730.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/22/2012	758.61	28.17	730.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/27/2012	758.61	28.63	729.98	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	03/05/2012	758.61	28.94	729.67	39.34	<1	<1	<1	-	1.05	<1	<1	<1	<5	<100	<161	<1	<1	<1	<5	<1	<1
MW-20A	04/06/2012	758.61	30.25	728.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/07/2012	758.61	32.61	726.00	39.14	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/08/2012	758.61	31.55	727.06	39.14	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	189	<1	<1	<1	<5	<1	<1
MW-20A	06/05/2012	758.61	32.25	726.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	07/25/2012	758.61	33.23	725.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/20/2012	758.61	34.00	724.61	56.38	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/23/2012	758.61	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-19B	01/29/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/11/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	08/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	11/09/2021	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	02/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	05/10/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-19B	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	07/07/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	08/24/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/01/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-20A	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	01/16/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-20A	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	03/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-20A	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	05/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	1 VC	<1	<1	<1	<1	
MW-20A	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20A	08/20/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-20A	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-20A	09/04/2012	758.61	34.39	724.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	10/25/2012	758.61	35.32	723.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/05/2012	758.61	33.29	725.32	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/09/2012	758.61	33.16	725.45	-	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<150	<1	<1	<1	<5	<1	<1
MW-20A	12/12/2012	758.61	31.80	726.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	01/22/2013	758.61	30.95	727.66	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/11/2013	758.61	29.40	729.21	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1	<1
MW-20A	03/07/2013	758.61	28.62	729.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	04/18/2013	758.61	28.40	730.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/13/2013	758.61	29.04	729.57	-	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<158	<1	<1	<1	<5	<1	<1
MW-20A	06/03/2013	758.61	29.75	728.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	07/26/2013	758.61	31.22	727.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/05/2013	758.61	31.46	727.15	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<156	<1.00	<1.00	<1	<5.00	<1	<1
MW-20A	09/05/2013	758.61	31.79	726.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	10/08/2013	758.61	32.92	725.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/18/2013	758.61	33.08	725.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/19/2013	758.61	33.27	725.34	-	<1	<1	<1	<2	1.01	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1	<1
MW-20A	12/20/2013	758.61	32.93	725.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/24/2014	758.61	27.34	731.27	-	<1	<1	<1	<2	1.32	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1	<1
MW-20A	05/06/2014	758.61	23.44	735.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/08/2014	758.61	23.39	735.22	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<24.1	<1.00	<1.00	<1	<5.00	<1	<1
MW-20A	08/05/2014	758.61	29.16	729.45	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	26.3 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-20A	11/03/2014	758.61	33.95	724.66	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	28.2 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-20A	02/02/2015	758.61	35.03	723.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/03/2015	758.61	35.15	723.46	-	<0.1	<0.1	<0.1	<0.1	0.80	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-20A	05/18/2015	758.61	33.41	725.20	54.7	<0.1	<0.1	<0.1	<0.1	1.20	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-20A	08/10/2015	758.61	34.06	724.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/11/2015	758.61	34.05	724.56	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-20A	11/02/2015	758.61	35.79	722.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/03/2015	758.61	35.85	722.76	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-20A	02/08/2016	758.61	32.48	726.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/12/2016	758.61	32.33	726.28	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-20A	05/02/2016	758.61	29.34	729.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-20A	09/04/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	10/25/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/05/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-20A	12/12/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	01/22/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/11/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	1 VC	<1	<1	<1
MW-20A	03/07/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	04/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-20A	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/05/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00	<1.00
MW-20A	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/19/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2d	<1.00	<1.00	<1.00
MW-20A	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-20A	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-20A	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-20A	11/03/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-20A	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	05/18/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/12/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-20A	05/05/2016	758.61	29.21	729.40	55	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	08/01/2016	758.61	32.61	726.00	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	11/07/2016	758.61	36.00	722.61	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	01/23/2017	758.61	37.00	721.61	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	05/03/2017	758.61	34.16	724.45	-	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	07/31/2017	758.61	33.10	725.51	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	11/06/2017	758.61	34.70	723.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/09/2017	758.61	36.77	721.84	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	02/12/2018	758.61	36.51	722.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/14/2018	758.61	36.45	722.16	-	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	06/11/2018	758.61	28.02	730.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	06/14/2018	758.61	27.60	731.01	-	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20A	08/20/2018	758.61	23.64	734.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/22/2018	758.61	23.29	735.32	-	<0.05	<0.05	<0.05	<0.08	0.6	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-20A	11/07/2018	758.61	23.01	735.60	-	<0.05	<0.05	<0.05	<0.08	0.4 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-20A	02/04/2019	758.61	22.79	735.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/06/2019	758.61	22.93	735.68	-	<0.05	<0.05	<0.05	<0.08	0.5	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-20A	05/06/2019	758.61	25.92	732.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/07/2019	758.61	26.03	732.58	-	<0.05	<0.05	<0.05	<0.08	0.5	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-20A	08/26/2019	758.61	30.15	728.46	-	<0.05	<0.05	<0.05	<0.1	0.5	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
MW-20A	11/05/2019	758.61	32.87	725.74	-	<0.05	<0.07	<0.06	<0.2	0.5 J	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-20A	02/03/2020	758.61	32.22	726.39	-	<0.05	<0.07	<0.06	<0.2	0.5	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-20A	04/27/2020	758.61	29.78	728.83	-	<0.05	<0.07	<0.06	<0.2	0.6	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
MW-20A	07/27/2020	758.61	30.86	727.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	07/29/2020	758.61	30.48	728.13	-	<0.05	<0.07	<0.06	<0.15	0.52	<0.05	<0.05	<0.20	<1.1	<23	<58	<0.07	<0.10	<0.06	<0.1	<0.06
MW-20A	11/03/2020	758.61	34.69	723.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/05/2020	758.61	34.75	723.86	-	<0.050	<0.070	<0.060	<0.15	0.53	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
MW-20A	01/29/2021	758.61	33.07	725.54	-	<0.050	<0.070	<0.060	<0.15	0.47 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-20A	05/11/2021	758.61	29.50	729.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/12/2021	758.61	29.58	729.03	-	<0.050	<0.070	<0.060	<0.15	0.47 J	0.13 J	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-20A	08/09/2021	758.61	32.18	726.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/11/2021	758.61	32.22	726.39	-	<0.050	<0.070	<0.060	<0.15	0.43 J	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
MW-20A	11/09/2021	758.61	34.84	723.77	-	<0.050	<0.070	<0.060	<0.15	0.49 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-20A	02/22/2022	758.61	35.34	723.27	-	<0.050	<0.070	<0.060	<0.15	0.55	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
MW-20A	05/10/2022	758.61	32.73	725.88	-	<0.050	<0.070	<0.060	<0.15	0.43 J	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-20A	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	08/01/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	11/07/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	01/23/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	07/31/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-20A	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-20A	11/07/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-20A	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	02/06/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-20A	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/07/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-20A	08/26/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
MW-20A	11/05/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-20A	02/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-20A	04/27/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-20A	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	07/29/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
MW-20A	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	11/05/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-20A	01/29/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-20A	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	05/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-20A	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20A	08/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-20A	11/09/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-20A	02/22/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
MW-20A	05/10/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-20A	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	07/07/2011	759.47	28.81	730.66	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-20B	08/24/2011	759.47	32.25	727.22	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-	-
MW-20B	11/28/2011	759.47	28.43	731.04	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/01/2011	759.47	28.41	731.06	-	<2	<2	<2	-	<2	<2	<2	<2	<10	<100	<155	<2	<2	<2	<10	<2	<2
MW-20B	12/06/2011	762.80	28.22	734.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/07/2011	759.47	28.08	731.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/08/2011	759.47	28.11	731.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/09/2011	759.47	27.93	731.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/13/2011	759.47	27.78	731.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/19/2011	759.47	27.51	731.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	12/28/2011	759.47	27.18	732.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/03/2012	759.47	27.15	732.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/09/2012	759.47	27.41	732.06	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/16/2012	759.47	27.86	731.61	-	<2	<2	<2	-	<2	<2	<2	<2	<10	<100	<165	<2	<2	<2	<10	<2	<2
MW-20B	01/24/2012	759.47	27.93	731.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/31/2012	759.47	28.30	731.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/08/2012	759.47	28.68	730.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/15/2012	759.47	28.95	730.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/22/2012	759.47	19.05	740.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/27/2012	759.47	29.50	729.97	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	03/05/2012	759.47	29.79	729.68	120.50	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<155	<1	<1	<1	<5	<1	<1
MW-20B	04/06/2012	759.47	31.12	728.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/07/2012	759.47	32.42	727.05	120.34	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/08/2012	759.47	32.41	727.06	120.34	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	169	<1	<1	<1	<5	<1	<1
MW-20B	06/05/2012	759.47	33.11	726.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	07/25/2012	759.47	34.10	725.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/20/2012	759.47	34.82	724.65	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/21/2012	759.47	34.86	724.61	122.08	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<164	<1	<1	<1	<5	<1	<1
MW-20B	09/04/2012	759.47	35.25	724.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	10/25/2012	759.47	36.20	723.27	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/05/2012	759.47	34.14	725.33	120.11	<2	<2	<2	<4	<2.00	<2.00	<2.00	<2.00	<10.0	<100	<152	<2	<2	<2	<10	<2	<2
MW-20B	12/12/2012	759.47	32.64	726.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/22/2013	759.47	31.82	727.65	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-20A	08/22/2022	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	07/07/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	08/24/2011	<1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/01/2011	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-20B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	01/16/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 C	<2	<2	<2	<2	<2	<2	<2	
MW-20B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	03/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
MW-20B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	05/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	1 VC	<1	<1	<1	<1	
MW-20B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	08/21/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	
MW-20B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-20B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-20B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-20B	02/11/2013	759.47	30.26	729.21	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-20B	03/07/2013	759.47	29.95	729.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	04/18/2013	759.47	29.25	730.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/13/2013	759.47	29.96	729.51	125.70	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<100	<152	<1	<1	<1	<5	<1	
MW-20B	06/03/2013	759.47	30.61	728.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	07/26/2013	759.47	32.07	727.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/05/2013	759.47	32.30	727.17	125.81	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	116 J	<1.00	<1.00	<1	<5.00	<1	
MW-20B	09/05/2013	759.47	32.64	726.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	10/08/2013	759.47	33.78	725.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/18/2013	759.47	33.95	725.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/19/2013	759.47	34.11	725.36	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.1	<1.00	<1.00	<1	<5.00	<1	
MW-20B	12/20/2013	759.47	33.80	725.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/24/2014	759.47	28.23	731.24	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<28.2	<1.00	<1.00	<1	<5.00	<1	
MW-20B	05/06/2014	759.47	24.28	735.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/07/2014	759.47	24.25	735.22	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<25	<1.00	<1.00	<1	<5.00	<1	
MW-20B	08/05/2014	759.47	30.01	729.46	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	53.3 J	<1.00	<1.00	<1	<5.00	<1	
MW-20B	11/03/2014	759.47	34.81	724.66	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	37.1 J	<1.00	<1.00	<1	<5.00	<1	
MW-20B	02/02/2015	759.47	35.89	723.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/03/2015	759.47	36.01	723.46	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	05/18/2015	759.47	34.27	725.20	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	08/10/2015	759.47	34.89	724.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/11/2015	759.47	34.91	724.56	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	11/02/2015	759.47	36.67	722.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/03/2015	759.47	36.71	722.76	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	02/08/2016	759.47	33.34	726.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/12/2016	759.47	33.18	726.29	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	05/02/2016	759.47	30.19	729.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/05/2016	759.47	30.21	729.26	120	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	08/01/2016	759.47	33.47	726.00	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	11/07/2016	759.47	36.87	722.60	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	01/23/2017	759.47	37.91	721.56	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	05/03/2017	759.47	35.03	724.44	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	07/31/2017	759.47	33.95	725.52	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-20B	11/06/2017	759.47	35.57	723.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
MW-20B	02/11/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	1 VC	<1	<1
MW-20B	03/07/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	04/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/13/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-20B	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/05/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 VC	<1.00	<1.00
MW-20B	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/19/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2d	<1.00	<1.00
MW-20B	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00
MW-20B	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00
MW-20B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00
MW-20B	11/03/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00
MW-20B	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	05/18/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/12/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	08/01/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	11/07/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	01/23/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
MW-20B	07/31/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<1.0
MW-20B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-20B	11/09/2017	759.47	35.62	723.85	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20B	02/12/2018	759.47	37.39	722.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/14/2018	759.47	37.07	722.40	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20B	06/11/2018	759.47	28.85	730.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	06/14/2018	759.47	28.49	730.98	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-20B	08/20/2018	759.47	24.49	734.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/22/2018	759.47	24.11	735.36	-	<0.05	<0.05	<0.05	<0.08	0.2 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
MW-20B	11/07/2018	759.47	23.85	735.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/04/2019	759.47	23.62	735.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/06/2019	759.47	26.83	732.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/26/2019	759.47	31.01	728.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/05/2019	759.47	33.73	725.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/03/2020	759.47	33.04	726.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	04/27/2020	759.47	30.59	728.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	07/27/2020	759.47	31.72	727.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/03/2020	759.47	35.53	723.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/29/2021	759.47	33.93	725.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/11/2021	759.47	30.33	729.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/09/2021	759.47	33.02	726.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/09/2021	759.47	35.70	723.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/22/2022	759.47	36.20	723.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/10/2022	759.47	33.58	725.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/28/2011	800.69	36.41	764.28	45.20	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/29/2011	800.69	-	-	-	<1	<1	<1	-	6.02	<1	<1	<1	18	<100	<160	<1	<1	<1	<5	<1
MW-21	12/01/2011	800.69	36.28	764.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/02/2011	800.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/06/2011	800.69	36.72	763.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/07/2011	800.69	36.14	764.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/08/2011	800.69	34.81	765.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/09/2011	800.69	34.54	766.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/13/2011	800.69	35.67	765.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/19/2011	800.69	33.62	767.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/28/2011	800.69	33.51	767.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/03/2012	800.69	32.86	767.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-20B	11/09/2017	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
MW-20B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/14/2018	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	< 1.0	< 0.1
MW-20B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	06/14/2018	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.4	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	< 1.0	< 0.1
MW-20B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/22/2018	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.09	< 0.05	< 0.05	< 0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.6	< 0.05
MW-20B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/29/2011	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-21	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/02/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-21	01/09/2012	800.69	33.56	767.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/16/2012	800.69	33.81	766.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/17/2012	800.69	33.71	766.98	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-21	01/24/2012	800.69	34.19	766.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/31/2012	800.69	34.86	765.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/08/2012	800.69	35.25	765.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/15/2012	800.69	35.52	765.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/22/2012	800.69	35.80	764.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/27/2012	800.69	37.21	763.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	03/05/2012	800.69	35.75	764.94	45.24	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	03/07/2012	800.69	36.27	764.42	45.17	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	
MW-21	04/06/2012	800.69	37.90	762.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/07/2012	800.69	45.22	755.47	38.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/08/2012	800.69	38.22	762.47	45.18	<2	<2	<2	<2	<2	<2	<2	<2	<10	<100	161	<2	<2	<2	<10	<2	
MW-21	06/05/2012	800.69	37.46	763.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	07/25/2012	800.69	38.24	762.45	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/20/2012	800.69	38.68	762.01	45.22	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<150	<1	<1	<1	<5	<1	
MW-21	09/04/2012	800.69	39.32	761.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	10/25/2012	800.69	39.98	760.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/05/2012	800.69	35.35	765.34	45.23	<2	<2	<2	<2	<2	<2	<2	<2	<10	<100	<154	<2	<2	<2	<10	<2	
MW-21	12/12/2012	800.69	37.62	763.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/22/2013	800.69	36.83	763.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/11/2013	800.69	34.27	766.42	45.22	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/12/2013	800.69	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	
MW-21	03/07/2013	800.69	35.21	765.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	04/18/2013	800.69	36.32	764.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/13/2013	800.69	36.75	763.94	45.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/14/2013	800.69	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<153	-	-	-	-	-	-
MW-21	06/03/2013	800.69	37.80	762.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	07/26/2013	800.69	37.85	762.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/05/2013	800.69	38.05	762.64	45.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/06/2013	800.69	-	-	-	<2	<2	<2	<4	<2	<2	<2	<2	<10	<100	66.1 J	<2.00	<2.00	<2	<10.0	<2	
MW-21	09/05/2013	800.69	38.60	762.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	10/08/2013	800.69	39.28	761.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/18/2013	800.69	39.08	761.61	45.22	<1	<1	<1	<2	<1	<1	<1	<1	<5	9.97 J	<27.7	<1.00	<1.00	<1	<5.00	<1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-21	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	01/17/2012	<1	<1	<1	<1	<1	.	.	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-21	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-21	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-21	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	08/20/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-21	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-21	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-21	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	<0.5
MW-21	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-21	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-21	11/18/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-21	12/20/2013	800.69	38.67	762.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/24/2014	800.69	34.36	766.33	45.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/25/2014	800.69	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.4	<1.00	<1.00	<1	<5.00	<1	-
MW-21	05/06/2014	800.69	32.86	767.83	45.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/07/2014	800.69	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	52.8 J	<1.00	<1.00	<1	<5.00	<1	-
MW-21	08/05/2014	800.69	38.40	762.29	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.4	<1.00	<1.00	<1	<5.00	<1	-
MW-21	11/03/2014	800.69	41.66	759.03	45.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/04/2014	800.69	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	72.6 J	<1.00	<1.00	<1	<5.00	<1	-
MW-21	02/02/2015	800.69	41.01	759.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/04/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	05/18/2015	800.69	36.08	764.61	45.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/19/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	08/10/2015	800.69	36.39	764.30	45.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/11/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	11/02/2015	800.69	36.90	763.79	45.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/03/2015	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	02/08/2016	800.69	34.77	765.92	45.22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	05/02/2016	800.69	34.42	766.27	45.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/03/2016	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	08/01/2016	800.69	35.97	764.72	45.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/02/2016	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	11/07/2016	800.69	40.70	759.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/09/2016	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	01/23/2017	800.69	42.88	757.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/25/2017	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	05/03/2017	800.69	39.93	760.76	45.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/09/2017	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	07/31/2017	800.69	40.32	760.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/01/2017	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	11/06/2017	800.69	40.12	760.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/07/2017	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	02/12/2018	800.69	40.92	759.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/15/2018	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
MW-21	06/11/2018	800.69	35.43	765.26	45.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	06/12/2018	800.69	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-21	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-21	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-21	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1 2e	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-21	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-21	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	02/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.1 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.2 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-21	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	06/12/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-21	08/20/2018	800.69	33.85	766.84	45.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/21/2018	800.69	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-21	11/07/2018	800.69	35.73	764.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	02/04/2019	800.69	34.47	766.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	05/06/2019	800.69	36.83	763.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	08/26/2019	800.69	38.91	761.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	11/05/2019	800.69	39.57	761.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	02/03/2020	800.69	38.94	761.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	04/27/2020	800.69	37.06	763.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	07/27/2020	800.69	38.98	761.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	11/03/2020	800.69	41.68	759.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	01/29/2021	800.69	38.46	762.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	05/11/2021	800.69	38.23	762.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	08/09/2021	800.69	41.08	759.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	11/09/2021	800.69	41.77	758.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	02/22/2022	800.69	42.66	758.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	05/10/2022	800.69	38.75	761.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	08/22/2022	800.69	39.31	761.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-21	08/26/2022	800.69	40.70	759.99	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-22	11/28/2011	801.21	37.14	764.07	45.10	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	11/29/2011	801.21	-	-	-	1.38	<1	<1	-	1,430	<1	14.6	30.4	4,220	347	721	<1	<1	<1	<5	<1	
MW-22	12/01/2011	801.21	36.86	764.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/06/2011	801.21	27.22	773.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/07/2011	801.21	36.97	764.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/08/2011	801.21	36.08	765.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/09/2011	801.21	35.53	765.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/13/2011	801.21	36.20	765.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/19/2011	801.21	34.47	766.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	12/28/2011	801.21	34.14	767.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	01/03/2012	801.21	34.03	767.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	01/09/2012	801.21	34.61	766.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	01/16/2012	801.21	34.94	766.27	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	01/17/2012	801.21	34.94	766.27	-	<1	<1	<1	-	961	<1	9.17	20.6	1,400	562	<150	<1	<1	<1	<5	<1	
MW-22	01/24/2012	801.21	35.27	765.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	01/31/2012	801.21	35.87	765.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-21	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/21/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-21	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.080	<0.20	<2.0	<0.080	
MW-22	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/29/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-22	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/16/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/17/2012	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	2.09	<1	<1	<1	1.56	<1	<1	<1	<1	<1
MW-22	01/24/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/31/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-22	02/08/2012	801.21	36.25	764.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/15/2012	801.21	36.48	764.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/22/2012	801.21	36.74	764.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/27/2012	801.21	37.82	763.39	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	03/07/2012	801.21	37.15	764.06	45.04	<2	<2	<2	-	900	<2	9.02	22.5	452	434	<150	<2	<2	<2	<10	<2	<2
MW-22	04/06/2012	801.21	28.59	772.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/07/2012	801.21	45.42	755.79	39.22	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/08/2012	801.21	39.14	762.07	45.02	<2	<2	<2	-	242	<2	3.76	6.46	709	168	168	<2	<2	<2	<10	<2	<2
MW-22	06/05/2012	801.21	38.42	762.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	07/25/2012	801.21	39.29	761.92	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/20/2012	801.21	39.75	761.46	45.05	<2	<2	<2	-	133	<2	<2	<2	205	<100	<150	<2	<2	<2	<10	<2	<2
MW-22	09/04/2012	801.21	40.17	761.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	10/25/2012	801.21	40.82	760.39	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/05/2012	801.21	36.25	764.96	45.05	<2	<2	<2	-	222	<2	3.54	5.48	759	<100	<153	<2	<2	<2	<10	<2	<2
MW-22	12/12/2012	801.21	38.24	762.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/22/2013	801.21	37.71	763.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/11/2013	801.21	35.28	765.93	45.05	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/12/2013	801.21	-	-	-	<2	<2	<2	-	184	<2	<2	<2	502	<100	<150	<2	<2	<2	<10	<2	<2
MW-22	03/07/2013	801.21	36.23	764.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	04/18/2013	801.21	37.24	763.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/13/2013	801.21	37.64	763.05	45.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/14/2013	801.21	-	-	-	<0.5	<0.5	<0.5	<1	20.8	<0.5	<0.5	<0.5	12.7	<100	<153	-	-	-	-	-	-
MW-22	06/03/2013	801.21	38.48	762.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	07/26/2013	801.21	38.68	762.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/05/2013	801.21	38.86	761.83	45.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/06/2013	801.21	-	-	-	<2	<2	<2	<4	28.2	<2	<2	<2	<10	39.0 J	42.5 J	<2.00	<2.00	<2	<10.0	<2	<2
MW-22	09/05/2013	801.21	39.45	761.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	10/08/2013	801.21	40.32	760.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/18/2013	801.21	40.03	761.18	45.05	<2	<2	<2	<4	29	<2	<2	<2	37	39.5 J	<27.1	<2.00	<2.00	<2	<10.0	<2	<2
MW-22	12/20/2013	801.21	39.53	761.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/24/2014	801.21	35.10	766.11	45.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/25/2014	801.21	-	-	-	<1	<1	<1	<2	19.9	<1	<1	<1	7.55	45.9 J	28.8 J	<1.00	<1.00	<1	<5.00	<1	<1
MW-22	05/06/2014	801.21	33.35	767.86	45.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/07/2014	801.21	-	-	-	<1	<1	<1	2.55	33.8	3.69	<1	<1	507.00	79 J	204	<1.00	<1.00	<1	<5.00	<1	<1
MW-22	08/05/2014	801.21	39.00	762.21	-	<1	<1	<1	<2	11.1	<1	<1	<1	15.6	<13	<23.2	<1.00	<1.00	<1	<5.00	<1	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-22	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	03/07/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-22	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-22	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	08/20/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-22	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
MW-22	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/12/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	2 VH	<2	<2	2 VC	<2	<2	<2	<2	2 VH	<2	<2	
MW-22	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	.
MW-22	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-22	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	11/18/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
MW-22	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-22	05/06/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-22	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	2.67	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-22	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-22	11/03/2014	801.21	42.32	758.89	45.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/04/2014	801.21	-	-	-	4.83	<1	<1	<2	253	4.28	2.3	5.83	1,370	501	1,340	<1.00	<1.00	<1	<5.00	<1	-
MW-22	02/02/2015	801.21	41.80	759.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/04/2015	801.21	-	-	-	1.8	<0.1	<0.1	0.1 J	210	1.9	2.6	5.7	1,200	390	250	<0.1	<0.3	0.2 J	<0.2	<0.1	-
MW-22	05/18/2015	801.21	36.92	764.29	45.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/19/2015	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	08/10/2015	801.21	37.24	763.97	45.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/11/2015	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	11/02/2015	801.21	37.72	763.49	45.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/03/2015	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	02/08/2016	801.21	35.57	765.64	45.03	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	05/02/2016	801.21	35.35	765.86	45.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/03/2016	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	08/01/2016	801.21	36.97	764.24	45.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/02/2016	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	11/07/2016	801.21	41.60	759.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/09/2016	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	23	0.3 J	0.2 J	0.4 J	22	36 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	12/13/2016	801.21	43.40	757.81	45.13	2.5	0.5 J	2.1	8.5	100	10	1	3	1,300	690	920	<0.1	<0.3	19	<0.2	0.4 J	-
MW-22	01/23/2017	801.21	43.81	757.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/25/2017	801.21	-	-	-	1.6	0.4 J	2.5	6.9	500	3.9	6.8	21	2200	1200	820	<0.1	<0.3	18	<0.2	<0.1	-
MW-22	04/05/2017	801.21	43.3	757.91	45.02	1.4	<0.5	4	4.6	370	6.3	3.6	11	1700	-	-	-	-	41	-	<0.5	-
MW-22	05/03/2017	801.21	40.67	760.54	45.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/09/2017	801.21	-	-	-	2	<0.1	<0.1	22	87	2.2	0.9	2.6	530	540	430	<0.1	<0.3	1.9	<0.2	<0.1	-
MW-22	07/31/2017	801.21	41.12	760.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/01/2017	801.21	-	-	-	0.8	<0.1	<0.1	0.7	53	2	0.7	1.6	270	410	89 J	<0.1	<0.3	0.1 J	<0.2	<0.1	-
MW-22	11/06/2017	801.21	41.2	760.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/07/2017	801.21	-	-	-	<0.1	<0.1	<0.1	<0.1	7	<0.1	<0.1	0.1 J	<4.0	23 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-22	02/12/2018	801.21	42.98	758.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/15/2018	801.21	-	-	-	0.2 J	<0.1	<0.1	<0.1	22	<0.1	0.3 J	0.8	53	230	150	<0.1	<0.3	0.1 J	<0.2	<0.1	-
MW-22	06/11/2018	801.21	36.04	765.17	45.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	06/12/2018	801.21	-	-	-	<0.1	0.1 J	<0.1	6	3.3	0.8	<0.1	<0.1	67	42 J	86 J	<0.1	<0.3	0.9	<0.2	0.2 J	-
MW-22	08/20/2018	801.21	34.37	766.84	45.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/21/2018	801.21	-	-	-	0.4 J	<0.05	<0.05	1.2	6.3	0.4 J	0.09 J	<0.3	140	48 J	82 J	<0.06	<0.06	<0.05	<0.2	0.4 J	-
MW-22	11/07/2018	801.21	36.32	764.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/08/2018	801.21	36.31	764.90	-	1.7	0.2 J	1.8	9	7.4	22	0.2 J	<0.3	470	400	790	<0.06	<0.06	12	<0.2	2.8	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-22	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	10.5	1.24	<1	<1	4.7	<1	<1	<1.00	<1.00	
MW-22	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/04/2015	0.4 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	4	0.2 J	<0.1	<0.1	2.4	<0.1	0.3 J	<1.0	<0.1	
MW-22	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	02/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	
MW-22	12/13/2016	0.5	<0.1	0.2 J	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	8.3	1.1	1.9	0.3 J	4.5	<0.1	<0.1	<1.0	<0.1	
MW-22	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	01/25/2017	0.2 J	<0.1	1.4	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	9.3	0.9	2.8	0.2 J	7.3	<0.1	<0.1	<1.0	<0.1	
MW-22	04/05/2017	<0.5	-	0.6 J	-	-	<0.4	<0.1	<0.1	<0.1	<1.0	-	13	1.9 J	9.5	<0.5	8.5	<0.1	<0.5	-	-	
MW-22	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/09/2017	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	6.9	0.4 J	<0.1	0.1 J	5.5	<0.1	0.2 J	<1.0	<0.1	
MW-22	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/01/2017	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	3.5	0.4 J	<0.1	<0.1	3	<0.1	<0.1	<1.0	<0.1	
MW-22	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-22	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	1.1	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<1.0	<0.1	
MW-22	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	06/12/2018	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.5	0.1 J	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
MW-22	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/21/2018	0.1 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	0.7	<0.07	<0.05	<0.05	0.4 J	<0.05	0.3 J	<0.6	<0.05	
MW-22	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/08/2018	0.3 J	<0.05	0.4 J	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	9.9	2.5	1.4	0.1 J	3.7	0.06 J	0.2 J	<0.6	<0.05	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-22	02/04/2019	801.21	34.98	766.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/05/2019	801.21	34.97	766.24	-	3.4	<0.05	<0.05	1.9	7.7	11	0.1 J	<0.3	170	250	340	<0.06	<0.06	0.3 J	<0.2	1.5	
MW-22	05/06/2019	801.21	37.43	763.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	05/09/2019	801.21	37.56	763.65	-	1.3	0.2 J	0.6	0.7	5.7	2.4	0.1 J	<0.3	250	230	300	<0.06	<0.06	1.4	<0.2	0.8	
MW-22	08/26/2019	801.21	39.46	761.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	08/29/2019	801.21	39.54	761.67	-	2.1	0.1 J	1.6	5.5	9.2	4.2	0.2 J	0.4 J	400	290	450	<0.06	<0.06	4.8	<0.2	0.3 J	
MW-22	11/05/2019	801.21	40.32	760.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	11/06/2019	801.21	40.36	760.85	-	0.6	<0.07	<0.06	0.3 J	9.6	0.06 J	0.1 J	0.3 J	69	140	82 J	<0.07	<0.1	0.2 J	<0.1	0.09 J	
MW-22	02/03/2020	801.21	39.55	761.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	02/05/2020	801.21	39.51	761.70	-	0.6	<0.07	<0.06	<0.2	15	<0.05	0.1 J	0.4 J	49	190	<51	0.2 J	<0.1	<0.06	<0.1	<0.06	
MW-22	04/27/2020	801.21	37.67	763.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	04/29/2020	801.21	37.69	763.52	-	0.2 J	<0.07	<0.06	<0.2	3.4	<0.05	0.06 J	<0.2	23	87	<50	<0.07	<0.1	<0.06	<0.1	<0.06	
MW-22	07/27/2020	801.21	38.61	762.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	07/29/2020	801.21	39.68	761.53	-	0.089 J	<0.07	<0.06	<0.15	1.8	<0.05	<0.05	<0.20	7.9 J	72	<58	<0.07	<0.10	<0.06	<0.1	<0.06	
MW-22	11/03/2020	801.21	42.52	758.69	-	1.7	<0.070	1.3	<0.15	22	0.53	0.35 J	0.79	210	470	210	<0.070	<0.10	0.45 J	<0.10	<0.060	
MW-22	01/29/2021	801.21	39.21	762.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	02/03/2021	801.21	39.15	762.06	-	0.056 J	<0.070	<0.060	<0.15	1.7	<0.050	<0.050	<0.20	4 J	34 J	<58	<0.070	<0.10	<0.060	<0.10	<0.060	
MW-22	05/11/2021	801.21	38.83	762.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	05/13/2021	801.21	39.02	762.19	-	1.7	1.8	14	23	4.7	11	0.12 J	0.21 J	340	470	1,100	<0.070	<0.10	20	<0.10	0.24 J	
MW-22	08/09/2021	801.21	41.80	759.41	-	1.3	0.093 J	3.6	5.2	6.5	4.3	0.13 J	0.26 J	170	260	520	<0.070	<0.10	6.0	<0.10	<0.060	
MW-22	11/09/2021	801.21	42.51	758.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	11/10/2021	801.21	42.51	758.70	-	1.5	<0.070	0.64	<0.15	17	0.087 J	0.20 J	<0.20	100	400	310	<0.070	<0.10	0.075 J	<0.10	<0.060	
MW-22	02/22/2022	801.21	43.50	757.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	02/23/2022	801.21	43.50	757.71	-	1.1	0.38 J	2.6	1.8	28	2.2	0.44 J	1.3	160	360	840	<0.070	<0.10	8.1	<0.10	<0.060	
MW-22	05/10/2022	801.21	39.58	761.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	05/11/2022	801.21	39.44	761.77	-	0.34 J	<0.070	0.87	1.6	5.9	0.67	0.10 J	<0.20	42	180	170	<0.070	<0.10	0.54	<0.10	<0.060	
MW-22	08/22/2022	801.21	41.22	759.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-22	08/26/2022	801.21	41.45	759.76	-	<0.10	<0.080	<0.080	<0.070	1.2	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-23	11/28/2011	798.70	22.05	776.65	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	11/29/2011	798.70	-	-	-	1.32	<1	<1	2.84	517	3 V4	4.47	10.8	2,130	250 D1	343	<1	<1	<1	<5	<1	
MW-23	12/01/2011	798.70	40.45	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	12/06/2011	798.70	40.60	758.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	12/07/2011	798.70	40.13	758.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	12/08/2011	798.70	39.15	759.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	12/09/2011	798.70	38.41	760.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-22	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/05/2019	0.3 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	3.8	0.8	0.09 J	0.09 J	4.5	0.1 J	0.5	<0.6	<0.05	
MW-22	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/09/2019	0.2 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	5.1	0.7	0.5 J	0.07 J	2.8	0.05 J	0.1 J	<0.6	<0.05	
MW-22	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/29/2019	0.3 J	<0.05	0.4 J	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	6.2	0.5	1.1	0.09 J	3.1	0.06 J	0.1 J	<0.8	<0.05	
MW-22	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/06/2019	0.1 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	1.4	0.2 J	0.1 J	<0.05	1.8	<0.07	0.08 J	<2.0	<0.06	
MW-22	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/05/2020	0.1 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.6	0.2 J	<0.06	<0.05	2.7	<0.07	0.4 J	<2.0	<0.06	
MW-22	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	04/29/2020	0.06 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.5 J	0.07 J	0.08 J	<0.05	1.3	<0.07	0.08 J	<2.0	0.1 J	
MW-22	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	07/29/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	0.19 J	<0.05	<0.06	<0.05	0.84	<0.07	<0.06	<2.0	<0.06	
MW-22	11/03/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	5.3	1.0	1.6	0.13 J	6.3	0.098 J	0.1 J	<2.0	<0.060	
MW-22	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/03/2021	<0.050	<0.060	<0.060	<0.070	0.42 J	<0.060	<0.060	<0.070	<0.090	<0.060	0.092 J	0.077 J	<0.050	<0.060	<0.050	0.4 J	<0.070	0.36 J	<2.0	<0.060	
MW-22	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/13/2021	0.18 J	<0.060	1.6	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	4.8	0.85	4.3	0.33 J	2.6	<0.070	0.18 J	<2.0	<0.060	
MW-22	08/09/2021	<0.050	<0.060	0.64	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	3.5	0.85	2.0	0.31 J	3.6	<0.070	0.10 J	<2.0	<0.060	
MW-22	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	2.4	0.84	0.85	0.13 J	6.6	0.12 J	0.13 J	<2.0	<0.060	
MW-22	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	02/23/2022	0.15 J	<0.060	0.23 J	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	3.4	0.83	2.6	0.22 J	3.5	<0.070	0.12 J	<2.0	<0.060	
MW-22	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	05/11/2022	0.053 J	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	2.0	0.34 J	0.87	0.14 J	1.9	<0.070	<0.060	<2.0	<0.060	
MW-22	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-22	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	0.16 J	<0.080	<0.20	<2.0	<0.080	
MW-23	11/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/29/2011	<1	<1	<1	<1	<1	<1	<1	<1	3.36	<1	<1	4.62	2.58	1.07	<1	2.75	<1	<1	<1	<1	
MW-23	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-23	12/13/2011	798.70	39.71	758.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	12/19/2011	798.70	37.34	761.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	12/28/2011	798.70	37.09	761.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/03/2012	798.70	36.34	762.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/09/2012	798.70	37.02	761.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/16/2012	798.70	37.41	761.29	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/17/2012	798.70	37.41	761.29	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-23	01/24/2012	798.70	37.45	761.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/31/2012	798.70	37.99	760.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/08/2012	798.70	38.39	760.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/15/2012	798.70	38.61	760.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/22/2012	798.70	38.69	760.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/27/2012	798.70	40.45	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	03/05/2012	798.70	39.44	759.26	60.30	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	03/07/2012	798.70	39.80	758.90	60.45	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-23	04/06/2012	798.70	41.23	757.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/07/2012	798.70	41.41	757.29	63.71	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/09/2012	798.70	41.15	757.55	60.45	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<154	<1	<1	<1	<5	<1	<1
MW-23	06/05/2012	798.70	40.68	758.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	07/25/2012	798.70	41.55	757.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/20/2012	798.70	42.11	756.59	60.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/21/2012	798.70	42.11	756.59	60.48	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/22/2012	798.70	42.11	756.59	60.48	<2	<2	6.02	-	2.3	43.6 VC	<2	<2	24.5	<100	<153	<2	<2	51	<10	<2	<2
MW-23	09/04/2012	798.70	42.85	755.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	10/25/2012	798.70	43.26	755.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/05/2012	798.70	40.15	758.55	60.42	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/06/2012	798.70	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-23	12/12/2012	798.70	41.09	757.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/22/2013	798.70	40.12	758.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/11/2013	798.70	38.14	760.56	60.43	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/12/2013	798.70	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-23	03/07/2013	798.70	38.60	760.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/13/2013	798.70	39.71	758.99	60.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/14/2013	798.70	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<153	-	-	-	-	-	-
MW-23	06/03/2013	798.70	40.65	758.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-23	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	01/17/2012	<1	<1	<1	<1	<1	.	<1	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-23	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	03/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-23	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-23	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	08/21/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	08/22/2012	<2	<2	7.22	<2	<2	<2	<2	<2	<2	<2	<2	2.68	6.52	<2	<2	<2	<2	2 VH	<2	<2	
MW-23	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	
MW-23	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-23	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-23	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	<0.5
MW-23	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-23	07/26/2013	798.70	41.23	757.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/05/2013	798.70	41.25	757.45	60.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/06/2013	798.70	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	29.3 J	<1.00	<1.00	<1	<5.00	<1	-
MW-23	09/05/2013	798.70	41.72	756.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	10/08/2013	798.70	42.46	756.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/18/2013	798.70	42.35	756.35	60.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/21/2013	798.70	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.4	<1.00	<1.00	<1	<5.00	<1	-
MW-23	12/20/2013	798.70	41.92	756.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/24/2014	798.70	37.95	760.75	60.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/25/2014	798.70	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.4	<1.00	<1.00	<1	<5.00	<1	-
MW-23	05/06/2014	798.70	35.98	762.72	60.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/07/2014	798.70	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	41.1 J	<1.00	<1.00	<1	<5.00	<1	-
MW-23	08/05/2014	798.70	41.07	757.63	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	<23.7	<1.00	<1.00	<1	<5.00	<1	-
MW-23	11/03/2014	798.70	43.82	754.88	60.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/04/2014	798.70	-	-	-	<1	<1	<1	<2	1.07	<1	<1	<1	11.8	<13	43.7 J	<1.00	<1.00	<1	<5.00	<1	-
MW-23	02/02/2015	798.70	43.56	755.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/04/2015	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	05/18/2015	798.70	40.00	758.70	60.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/19/2015	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	08/10/2015	798.70	40.48	758.22	60.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/11/2015	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	11/02/2015	798.70	40.92	757.78	60.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/05/2015	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	02/08/2016	798.70	38.32	760.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/11/2016	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	05/02/2016	798.70	37.80	760.90	60.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/03/2016	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	08/01/2016	798.70	39.93	758.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/03/2016	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	11/07/2016	798.70	43.50	755.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/09/2016	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
MW-23	01/23/2017	798.70	45.03	753.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/25/2017	798.70	-	-	-	0.2 J	<0.1	<0.1	0.1 J	2.6	0.2 J	<0.1	0.1 J	19	<20	<45	<0.1	<0.3	0.5	<0.2	<0.1	-
MW-23	05/03/2017	798.70	43.15	755.55	60.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/05/2017	798.70	-	-	-	0.1 J	<0.1	<0.1	<0.1	2.8	<0.1	<0.1	<0.1	22	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-23	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/06/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	VC	<1.00	<1.00
MW-23	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	2e	<1.00	<1.00
MW-23	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-23	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-23	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-23	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-23	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/11/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-23	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.5 J	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<1.0	<0.1	
MW-23	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/05/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.2 J	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-23	07/31/2017	798.70	42.83	755.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/02/2017	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	12	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-23	11/06/2017	798.70	43.49	755.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	11/09/2017	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<4.0	37 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-23	02/12/2018	798.70	44.36	754.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	02/13/2018	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-23	06/11/2018	798.70	39.32	759.38	60.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	06/13/2018	798.70	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-23	08/20/2018	798.70	36.73	761.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	08/23/2018	798.70	-	-	-	<0.05	<0.05	<0.05	<0.08	0.1 J	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	
MW-23	02/04/2019	798.70	37.30	761.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	05/06/2019	798.70	39.53	759.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	08/26/2019	798.70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	11/05/2019	798.70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	02/03/2020	798.70	42.28	756.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	04/27/2020	798.70	40.92	757.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	07/27/2020	798.70	41.69	757.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	11/03/2020	798.70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	01/29/2021	798.70	42.45	756.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	05/11/2021	798.70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	08/09/2021	798.70	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	11/09/2021	798.70	44.33	754.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	02/22/2022	798.70	45.03	753.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	05/10/2022	798.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-23	08/22/2022	798.70	43.15	755.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-23	08/25/2022	798.70	43.29	755.41	-	<0.10	<0.080	<0.080	<0.070	0.21 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080	
MW-24B	11/29/2011	801.25	-	-	-	<1	<1	<1	-	3.83	<1	<1	<1	40.1	<100	199	<1	<1	<1	<5	<1	
MW-24B	12/01/2011	801.25	>100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/06/2011	801.25	100.90	700.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/07/2011	801.25	99.72	701.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/08/2011	801.25	98.33	702.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/09/2011	801.25	96.99	704.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/13/2011	801.25	92.34	708.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/19/2011	801.25	85.64	715.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-24B	12/28/2011	801.25	76.50	724.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-23	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-23	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-23	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-23	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-23	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
MW-23	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	05/10/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23	08/25/2022	<0.070	<0.10	<0.080	<0.080	<0.080	0.19 J	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-24B	11/29/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-24B	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	12/28/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-24B	01/03/2012	801.25	71.46	729.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/09/2012	801.25	67.17	734.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/16/2012	801.25	62.97	738.28	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/19/2012	801.25	61.94	739.31	-	<1	<1	<1	-	10.8	<1	<1	<1	<5	<100	<156	<1	<1	<1	<5	<1	<1
MW-24B	01/24/2012	801.25	93.50	707.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/31/2012	801.25	85.10	716.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/08/2012	801.25	76.76	724.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/15/2012	801.25	70.58	730.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/22/2012	801.25	65.72	735.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/27/2012	801.25	62.74	738.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	03/05/2012	801.25	59.28	741.97	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	03/08/2012	801.25	57.93	743.32	121.83	<1	<1	<1	-	15.6	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-24B	04/06/2012	801.25	67.71	733.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/07/2012	801.25	54.20	747.05	121.83	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/09/2012	801.25	53.69	747.56	121.80	<1	<1	<1	-	5.37 VH	<1	<1	<1	<5	<100	160	<1	<1	<1	<5	<1	<1
MW-24B	06/05/2012	801.25	72.88	728.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	07/25/2012	801.25	51.68	749.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/20/2012	801.25	48.75	752.50	121.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/21/2012	801.25	48.75	752.50	121.86	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/22/2012	801.25	48.75	752.50	121.86	<1	<1	<1	-	8.1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1	<1
MW-24B	09/04/2012	801.25	86.35	714.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	10/25/2012	801.25	55.86	745.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2012	801.25	51.33	749.92	121.85	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/08/2012	801.25	-	-	-	<1	<1	<1	-	7.31	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-24B	12/12/2012	801.25	63.14	738.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/22/2013	801.25	48.75	752.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/11/2013	801.25	43.72	757.53	-	-	-	-	↘	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/14/2013	801.25	-	-	-	<1	<1	<1	-	6.45	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1	<1
MW-24B	03/07/2013	801.25	82.07	719.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/18/2013	801.25	52.39	748.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/13/2013	801.25	46.83	754.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/16/2013	801.25	-	-	-	<0.5	<0.5	<0.5	<1	4.31	<0.5	<0.5	<0.5	<2.5	<100	<152	-	-	-	-	-	-
MW-24B	06/03/2013	801.25	90.64	710.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	07/26/2013	801.25	52.60	748.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-24B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	01/19/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
MW-24B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	03/08/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	1 VH	Δ	Δ	
MW-24B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	05/09/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	1 VC	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
MW-24B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	08/21/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	08/22/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
MW-24B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	11/08/2012	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
MW-24B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	02/14/2013	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	1 VC	Δ	Δ	
MW-24B	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	05/16/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
MW-24B	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-24B	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
MW-24B	08/05/2013	801.25	50.20	751.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/08/2013	801.25	-	-	-	<1	<1	<1	<2	3.79	<1	<1	<1	<5	13 J	198	<1.00	<1.00	<1 VH	<5.00	<1	
MW-24B	09/05/2013	801.25	78.40	722.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	10/08/2013	801.25	56.81	744.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/18/2013	801.25	47.32	753.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/21/2013	801.25	-	-	-	<1	<1	<1	<2	3.02	<1	<1	<1	<5	19.2 J	277	<1.00	<1.00	<1	<5.00	<1	
MW-24B	12/20/2013	801.25	65.57	735.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/23/2014	801.25	31.07	770.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/10/2014	801.25	32.85	768.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/24/2014	801.25	32.30	768.95	-	<1.00	<1.00	<1.00	<2.00	1.1	<1.00	<1.00	<1.00	<5.00	13.8 J	227	<1.00	<1.00	<1	<5.00	<1	
MW-24B	03/11/2014	801.25	93.00	708.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	03/21/2014	801.25	81.73	719.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/04/2014	801.25	68.23	733.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/21/2014	801.25	58.34	742.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/06/2014	801.25	51.00	750.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/08/2014	801.25	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	136 J	<1.00	<1.00	<1	<5.00	<1	
MW-24B	05/22/2014	801.25	82.85	718.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	06/09/2014	801.25	67.82	733.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	06/23/2014	801.25	60.58	740.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	07/10/2014	801.25	54.38	746.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/05/2014	801.25	48.95	752.30	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	62.8 J	<1.00	<1.00	<1	<5.00	<1	
MW-24B	11/03/2014	801.25	56.92	744.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2014	801.25	-	-	-	<1	<1	<1	<2	3.39	<1	<1	<1	<5	13.5 J	183	<1.00	<1.00	<1	<5.00	<1	
MW-24B	02/02/2015	801.25	39.13	762.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/04/2015	801.25	-	-	-	0.1 J	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<4.0	<20	94 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-24B	05/18/2015	801.25	39.47	761.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/21/2015	801.25	-	-	-	0.1 J	0.2 J	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<4.0	21 J	130	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-24B	08/10/2015	801.25	55.90	745.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/12/2015	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	3.5	<0.1	<0.1	<0.1	<4	<20	89 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-24B	11/02/2015	801.25	62.32	738.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2015	801.25	-	-	-	<0.1	0.1 J	<0.1	<0.1	1.9	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-24B	02/08/2016	801.25	47.71	753.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/11/2016	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	1.8	<0.1	<0.1	<0.1	<4.0	<20	53 J	<0.1	<0.3	<0.1	<0.2	<0.1	
MW-24B	05/02/2016	801.25	43.60	757.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-24B	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/08/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-24B	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-24B	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-24B	03/11/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	03/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/04/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/21/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-24B	05/22/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	06/09/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	06/23/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	07/10/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-24B	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
MW-24B	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-24B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-24B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-24B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-24B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
MW-24B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-24B	05/04/2016	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	66 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	08/01/2016	801.25	58.37	742.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/03/2016	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	11/07/2016	801.25	46.70	754.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/10/2016	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<4.0	<20	100 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	01/23/2017	801.25	59.78	741.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/26/2017	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	05/03/2017	801.25	54.20	747.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/09/2017	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	07/31/2017	801.25	40.77	760.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/02/2017	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	11/06/2017	801.25	38.15	763.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/08/2017	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	49 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	02/12/2018	801.25	42.54	758.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/16/2018	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	29 J	190	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	06/11/2018	801.25	46.30	754.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	06/14/2018	801.25	-	-	-	<0.1	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	<0.1	<4.0	<20	52 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-24B	08/20/2018	801.25	52.77	748.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/24/2018	801.25	-	-	-	<0.05	<0.05	<0.05	<0.08	0.6	<0.09	<0.05	<0.3	<1.6	<11	94 J	<0.06	<0.06	<0.05	<0.2	<0.05
MW-24B	11/07/2018	801.25	48.40	752.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/04/2019	801.25	40.23	761.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/06/2019	801.25	38.88	762.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/26/2019	801.25	40.42	760.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2019	801.25	39.95	761.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/03/2020	801.25	39.35	761.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/27/2020	801.25	39.32	761.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	07/27/2020	801.25	40.17	761.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/03/2020	801.25	39.32	761.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/29/2021	801.25	37.30	763.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/11/2021	801.25	38.37	762.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/09/2021	801.25	40.13	761.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/09/2021	801.25	41.87	759.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/22/2022	801.25	42.88	758.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/10/2022	801.25	40.95	760.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/22/2022	801.25	39.89	761.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-24B	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/10/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/16/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-24B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/24/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-24B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-24B	08/25/2022	801.25	44.25	757.00	-	<0.10	0.17 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	35 J	210	<0.10	<0.10	<0.080	<0.10	<0.080
MW-25B	11/28/2011	802.80	110.16	692.64	-	-	-	-	∇	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/29/2011	802.80	-	-	-	<1	<1	<1	-	14.4	<1	<1	<1	<5	<100	<181	<1	<1	<1	<5	<1
MW-25B	12/01/2011	802.80	>100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/06/2011	802.80	100.09	702.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/07/2011	802.80	97.27	705.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/08/2011	802.80	94.36	708.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/09/2011	802.80	91.23	711.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/13/2011	802.80	80.11	722.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/19/2011	802.80	64.95	737.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	12/28/2011	802.80	51.17	751.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/03/2012	802.80	46.12	756.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/09/2012	802.80	43.20	759.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/16/2012	802.80	41.35	761.45	-	-	-	∇	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/19/2012	802.80	41.14	761.66	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<151	<1	<1	<1	<5	<1
MW-25B	01/24/2012	802.80	83.44	719.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/31/2012	802.80	64.60	738.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/08/2012	802.80	53.07	749.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/15/2012	802.80	47.55	755.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/22/2012	802.80	44.64	758.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/27/2012	802.80	43.32	759.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	03/05/2012	802.80	42.46	760.34	-	-	-	∇	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	03/08/2012	802.80	42.22	760.58	121.80	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	158	<1	<1	<1	<5	<1
MW-25B	04/06/2012	802.80	48.10	754.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/07/2012	802.80	44.10	758.70	121.90	-	-	∇	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/09/2012	802.80	44.10	758.70	121.70	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	167	<1	<1	<1	<5	<1
MW-25B	06/05/2012	802.80	50.73	752.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	07/25/2012	802.80	44.18	758.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/20/2012	802.80	44.97	757.83	121.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	09/04/2012	802.80	44.82	757.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	10/25/2012	802.80	44.12	758.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/05/2012	802.80	39.92	762.88	121.70	-	-	∇	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/06/2012	802.80	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
MW-25B	12/12/2012	802.80	45.48	757.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/22/2013	802.80	41.68	761.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-24B	08/25/2022	<0.070	<0.10	<0.080	<0.080	<0.080	0.34 J	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	
MW-25B	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	11/29/2011	<1	<1	<1	<1	<1	.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-25B	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-25B	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	03/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-25B	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	05/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	
MW-25B	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	08/20/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	11/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	
MW-25B	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MW-25B	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-25B	02/11/2013	802.80	38.08	764.72	-	-	-	-	<2	-	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
MW-25B	02/14/2013	802.80	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	-	-	<1	<1	<1	<5	<1
MW-25B	03/07/2013	802.80	59.63	743.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	04/18/2013	802.80	40.74	762.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/13/2013	802.80	41.25	761.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/15/2013	802.80	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<150	-	-	-	-	-
MW-25B	06/03/2013	802.80	65.69	737.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	07/26/2013	802.80	42.60	760.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/05/2013	802.80	42.58	760.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/08/2013	802.80	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	158	<1.00	<1.00	<1	<5.00	<1
MW-25B	09/05/2013	802.80	54.72	748.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	10/08/2013	802.80	44.67	758.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/18/2013	802.80	43.02	759.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/21/2013	802.80	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	9.72 J	147 J	<1.00	<1.00	<1	<5.00	<1
MW-25B	12/20/2013	802.80	55.40	747.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/24/2014	802.80	37.88	764.92	-	<1	<1	<1	<2	<1.00	<1.00	<1.00	<1.00	<5.00	<9.35	81.2 J	<1.00	<1.00	<1	<5.00	<1
MW-25B	05/06/2014	802.80	36.00	766.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/08/2014	802.80	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	74.9 J	<1.00	<1.00	<1	<5.00	<1
MW-25B	08/05/2014	802.80	41.08	761.72	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	68.7 J	<1.00	<1.00	<1	<5.00	<1
MW-25B	11/03/2014	802.80	44.24	758.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/06/2014	802.80	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	55.1 J	<1.00	<1.00	<1	<5.00	<1
MW-25B	02/02/2015	802.80	43.46	759.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/04/2015	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	200	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	05/18/2015	802.80	41.05	761.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/21/2015	802.80	-	-	-	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	20 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	08/10/2015	802.80	41.57	761.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/12/2015	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	230	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	11/02/2015	802.80	42.42	760.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/05/2015	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	02/08/2016	802.80	39.83	762.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/11/2016	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	210	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	05/02/2016	802.80	40.05	762.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/04/2016	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	97 J	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	08/01/2016	802.80	42.68	760.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-25B	02/11/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	
MW-25B	03/07/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	04/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/13/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/15/2013	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	-	-	<0.5	-	<0.5	
MW-25B	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	07/26/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/08/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-25B	09/05/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	10/08/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/18/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/21/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00	
MW-25B	12/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/24/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-25B	05/06/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/08/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-25B	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-25B	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
MW-25B	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/21/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/12/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/05/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/11/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
MW-25B	08/03/2016	802.80	-	-	-	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	11/07/2016	802.80	44.28	758.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/09/2016	802.80	-	-	-	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	30 J	240	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	01/23/2017	802.80	47.73	755.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/26/2017	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	120	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	05/03/2017	802.80	43.25	759.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/09/2017	802.80	-	-	-	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	07/31/2017	802.80	42.75	760.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/02/2017	802.80	-	-	-	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	39 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	11/06/2017	802.80	44.57	758.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/08/2017	802.80	-	-	-	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<200	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	02/12/2018	802.80	47.08	755.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/16/2018	802.80	-	-	-	0.1 J	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	49 J	170	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	06/11/2018	802.80	40.08	762.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	06/14/2018	802.80	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
MW-25B	08/20/2018	802.80	39.35	763.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/24/2018	802.80	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	<11	55 J	<0.06	<0.06	<0.05	<0.2	<0.05
MW-25B	11/07/2018	802.80	40.73	762.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/04/2019	802.80	35.63	767.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/06/2019	802.80	37.40	765.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/26/2019	802.80	39.83	762.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/05/2019	802.80	42.25	760.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/03/2020	802.80	41.48	761.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	04/27/2020	802.80	39.93	762.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	07/27/2020	802.80	40.47	762.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/03/2020	802.80	43.83	758.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/29/2021	802.80	42.03	760.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/11/2021	802.80	39.88	762.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/09/2021	802.80	42.20	760.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/09/2021	802.80	43.27	759.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/22/2022	802.80	44.65	758.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/10/2022	802.80	42.75	760.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/22/2022	802.80	42.69	760.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/24/2022	802.80	42.05	760.75	-	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
RW-1	06/04/2010	800.93	39.53	761.40	-	<2	<2	<2	<2	398	-	<2	6.96	339	341	<300	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
MW-25B	08/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/26/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/02/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/16/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	06/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
MW-25B	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/24/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
MW-25B	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-25B	08/24/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	0.29 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	0.46 J	<2.0	<0.080	
RW-1	06/04/2010	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-1	08/19/2010	800.93	41.70	759.23	-	<2	<2	<2	2.38	383	-	2.26	9.38	299	270	<150	-	-	-	-	-
RW-1	11/23/2010	800.93	42.31	758.62	-	<1	<1	<1	<1	357	-	<1	4.17	106	263	164	-	-	-	-	-
RW-1	02/15/2011	800.93	45.25	755.68	-	<2	<2	<2	<2	171	-	<2	4.22	123	<100	<150	-	-	-	-	-
RW-1	04/20/2011	800.93	-	-	-	<2	<2	<2	-	12.9	<2	<2	<10	<100	-	-	<2	<2	<2	<10	<2
RW-1	04/25/2011	800.93	34.58	766.35	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	04/26/2011	800.93	-	-	-	<2	<2	<2	<4	81.3	<2	<2	<10	<100	<150	<2	<2	<2	<2	<10	<2
RW-1	04/27/2011	800.93	-	-	-	<2	<2	<2	<4	325	<2	<2	<10	187	<150	<2	<2	<2	<2	<10	<2
RW-1	04/28/2011	800.93	59.21	741.72	-	<2	<2	<2	-	284	<2	<2	4	61.4	213	<150	<2	<2	<2	<10	<2
RW-1	05/02/2011	800.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/25/2011	800.93	35.97	764.96	-	<1	<1	<1	<1	35.3	-	<1	<1	<5	<100	<150	-	-	-	-	-
RW-1	08/24/2011	800.93	41.21	759.72	-	<1	<1	<1	<1	27.8	-	<1	<1	6.35	<100	<150	-	-	-	-	-
RW-1	12/01/2011	800.93	57.90	743.03	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/02/2011	800.93	-	-	-	7.32	22.2	2.32	-	38.0	<2.00	<2.00	<2.00	19.0	<100	<152	<2	<2	<2	<10	<2
RW-1	12/06/2011	800.93	33.52	767.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/07/2011	800.93	66.25	734.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/08/2011	800.93	61.40	739.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/09/2011	800.93	37.33	763.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/13/2011	800.93	35.60	765.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/19/2011	800.93	64.30	736.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	12/28/2011	800.93	63.35	737.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/03/2012	800.93	62.04	738.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/09/2012	800.93	62.35	738.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/16/2012	800.93	63.70	737.23	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/17/2012	800.93	-	-	-	<2	<2	<2	-	179	<2	<2	2.72	128	<100	-	<2	<2	<2	<10	<2
RW-1	01/24/2012	800.93	61.75	739.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/31/2012	800.93	65.60	735.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/08/2012	800.93	63.68	737.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/15/2012	800.93	65.60	735.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/22/2012	800.93	62.90	738.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/27/2012	800.93	66.17	734.76	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	03/07/2012	800.93	-	-	-	<1	<1	<1	-	279	<1	<1	2.46	<5	<100	<153	<1	<1	<1	<5	<1
RW-1	03/27/2012	800.93	64.10	736.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	04/06/2012	800.93	66.20	734.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	04/16/2012	800.93	64.85	736.08	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-1	08/19/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	11/23/2010	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/15/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	04/20/2011	<	<	<	<	<	<	<	<	<	2 V8	<	<	<	<	<	<	<	<	<	<	<
RW-1	04/25/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	04/26/2011	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
RW-1	04/27/2011	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
RW-1	04/28/2011	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
RW-1	05/02/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	05/25/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	08/24/2011	<	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/02/2011	2 V4	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
RW-1	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	01/17/2012	<	<	<	<	<	<	<	<	<	<	<	<	< 12C	<	<	<	<	<	<	<	<
RW-1	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	03/07/2012	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
RW-1	03/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	04/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-1	05/08/2012	800.93	-	-	-	<2	<2	<2	-	109	<2	<2	<2	19.3	<100	<300	<2	<2	<2	<10	<2
RW-1	05/15/2012	800.93	64.85	736.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	06/05/2012	800.93	66.90	734.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	07/25/2012	800.93	68.40	732.53	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/20/2012	800.93	67.51	733.42	-	<1	<1	<1	-	81.9	<1	<1	1.25	6.86	<100	<153	<1	<1	<1	<5	<1
RW-1	09/04/2012	800.93	42.13	758.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	10/25/2012	800.93	65.88	735.05	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/05/2012	800.93	63.02	737.91	-	<2	<2	<2	-	103	<2	<2	<2	<10	<100	<153	<2	<2	<2	<10	<2
RW-1	12/12/2012	800.93	72.25	728.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/22/2013	800.93	70.95	729.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/11/2013	800.93	73.90	727.03	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/12/2013	800.93	-	-	-	<1	<1	<1	-	12.8	1.11 VC	<1	<1	<5	<100	<152	<1	<1	<1	<5	1 VC
RW-1	03/07/2013	800.93	67.50	733.43	-	-	-	-	-	QB	-	-	-	-	-	-	-	-	-	-	-
RW-1	04/18/2013	800.93	70.70	730.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/13/2013	800.93	68.33	732.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/14/2013	800.93	-	-	-	<0.5	<0.5	<0.5	<1	14.7	<0.5	<0.5	<0.5	<2.5	<100	<152	-	-	-	-	-
RW-1	06/03/2013	800.93	64.80	736.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	07/26/2013	800.93	69.10	731.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/05/2013	800.93	69.22	731.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/06/2013	800.93	-	-	-	<2	<2	<2	<4	17	<2	<2	<2	<10	25.1 J	49.1 J	<2.00	<2.00	<2	<10.0	<2
RW-1	09/05/2013	800.93	67.70	733.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	10/08/2013	800.93	68.60	732.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/18/2013	800.93	66.68	734.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/20/2013	800.93	-	-	-	<2	<2	<2	<4	20.1	<2	<2	<2	<10	24.9 J	<27.1	-	-	<2	-	<2
RW-1	12/20/2013	800.93	65.60	735.33	-	-	-	-	-	-	-	-	-	-	-	-	<2.00	<2.00	-	<10.0	-
RW-1	01/23/2014	800.93	65.78	735.15	-	<0.5	<0.5	<0.5	<1	7.48	<0.5	<0.5	<0.5	<2.5	23.8 J	<27.7	-	-	-	-	-
RW-1	02/10/2014	800.93	36.45	764.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/11/2014	800.93	-	-	-	<0.5	<0.5	<0.5	<1	1.75	<0.5	<0.5	<0.5	<2.5	11.4 J	<27.4	-	-	-	-	-
RW-1	02/24/2014	800.93	57.10	743.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/26/2014	800.93	-	-	-	<2	<2	<2	<4	42.3	<2	<2	<2	17.0	60.9 J	<27.4	<2.00	<2.00	<2	<10.0	<2
RW-1	03/11/2014	800.93	34.86	766.07	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	30.0 J	<1.00	<1.00	<1	<5.00	<1
RW-1	03/21/2014	800.93	65.80	735.13	-	<1	<1	<1	<2	27.6	<1	<1	<1	<5	<13	<23.4	<1.00	<1.00	<1	<5.00	<1

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-1	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
RW-1	05/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	08/20/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-1	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
RW-1	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 QB, VH	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1
RW-1	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	.	<0.5	.	<0.5
RW-1	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00
RW-1	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	11/20/2013	<2	.	<2	.	.	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	.	.	.
RW-1	12/20/2013	.	<2.00	.	<2.00	<2.00	.	.	.	.	.	<2.00	.	.	.	.	.	.	.	.	<2.00	<2.00
RW-1	01/23/2014	<0.5	0	.	.	.	.	<0.5	.	.	.	<0.500	.	.	.	.	.	.	.	<0.5	.	<0.500
RW-1	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/11/2014	<0.5	0	.	.	.	.	<0.5	.	.	.	<0.500	.	.	.	.	.	.	.	<0.5	.	<0.500
RW-1	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-1	02/26/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00
RW-1	03/11/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	<1.00
RW-1	03/21/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	<1.00



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-1	04/04/2014	800.93	32.85	768.08	-	<1	<1	<1	<2	2.21	<1	<1	<1	<5	<13	<23.7	<1.00	<1.00	<1	<5.00	<1
RW-1	04/21/2014	800.93	61.85	739.08	-	<1	<1	<1	<2	26.7	<1	<1	<1	<5	<23.7	45.5 J	<1.00	<1.00	<1	<5.00	<1
RW-1	05/06/2014	800.93	31.87	769.06	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	525	<1.00	<1.00	<1	<5.00	<1
RW-1	05/22/2014	800.93	56.60	744.33	-	<1	<1	<1	<2	31.4	<1	<1	<1	<5	44.6 J	<23.7	<1.00	<1.00	<1	<5.00	<1
RW-1	06/09/2014	800.93	36.38	764.55	-	<1	<1	<1	<2	8.58	<1	<1	<1	<5	<23.7	20.7 J	<1.00	<1.00	<1	<5.00	<1
RW-1	06/23/2014	800.93	56.62	744.31	-	<1	<1	<1	<2	32.8	<1	<1	<1	<5	57.6 J	<23.4	<1.00	<1.00	<1	<5.00	<1
RW-1	07/10/2014	800.93	38.73	762.20	-	<1	<1	<1	<2	18.9	<1	<1	<1	<5	26.9 J	57.8 J	<1.00	<1.00	<1	<5.00	<1
RW-1	08/05/2014	800.93	39.85	761.08	-	<1	<1	<1	<2	15.4	<1	<1	<1	<5	<13	<23.4	<1.00	<1.00	<1	<5.00	<1
RW-1	11/03/2014	800.93	43.03	757.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/04/2014	800.93	-	-	-	<1	<1	<1	<2	17.8	<1	<1	<1	<5	19.8 J	119 J	<1.00	<1.00	<1	<5.00	<1
RW-1	02/02/2015	800.93	42.48	758.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/04/2015	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	31	<0.1	<0.1	0.3 J	29	41 J	91 J	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	05/18/2015	800.93	38.94	761.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/19/2015	800.93	-	-	-	0.4 J	<0.2	<0.2	<0.2	130	<0.2	0.7 J	2.3	130	170	63 J	<0.2	<0.6	<0.2	<0.4	<0.2
RW-1	08/10/2015	800.93	39.58	761.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/11/2015	800.93	-	-	-	0.3 J	<0.2	<0.2	<0.2	50	<0.2	0.2 J	0.7 J	42	90	<45	<0.2	<0.6	<0.2	<0.4	<0.2
RW-1	11/02/2015	800.93	39.94	760.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/03/2015	800.93	-	-	-	<0.2	<0.2	<0.2	<0.2	52	<0.2	0.2 J	0.7 J	18 J	89	58 J	<0.2	<0.6	<0.2	<0.4	<0.2
RW-1	02/08/2016	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	14	<0.1	<0.1	0.2 J	<4.0	29 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	05/02/2016	800.93	37.48	763.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/04/2016	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4.0	<20	150	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	08/01/2016	800.93	39.92	761.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/02/2016	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	12	<0.1	<0.1	0.1 J	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	11/07/2016	800.93	43.33	757.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/09/2016	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	21	<0.1	<0.1	0.2 J	<4.0	33 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	12/13/2016	800.93	44.68	756.25	-	<0.1	<0.1	<0.1	<0.1	43	0.1 J	0.1 J	0.5	<4.0	49 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	01/23/2017	800.93	44.83	756.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/25/2017	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	13	<0.1	<0.1	0.1 J	6.7 J	22 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	05/03/2017	800.93	40.89	760.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/09/2017	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	5.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	07/31/2017	800.93	41.51	759.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/01/2017	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	5.7	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-1	11/06/2017	800.93	44.6	756.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/07/2017	800.93	-	-	-	0.1 J	<0.1	<0.1	<0.1	22	<0.1	0.1 J	0.4 J	12	81	<45	<0.1	<0.3	<0.1	<0.2	<0.1

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-1	04/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	04/21/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	05/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	05/22/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	06/09/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	06/23/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	07/10/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-1	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-1	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/19/2015	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	0.3 J	<0.2	<0.2	<0.2	0.4 J	<0.2	<0.2	<2.0	0.3	
RW-1	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/11/2015	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	0.5 J	<0.2	<0.2	<2.0	<0.2	
RW-1	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/03/2015	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	0.3 J	<0.2	<0.2	<2.0	<0.2	
RW-1	02/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<1.0	<0.1	
RW-1	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<1.0	<0.1	
RW-1	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	12/13/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	0.1 J	<0.1	<0.1	<0.1	0.3 J	<0.1	0.3 J	<1.0	<0.1	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
RW-1	02/12/2018	800.93	45.67	755.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/15/2018	800.93	-	-	-	0.1 J	<0.1	<0.1	<0.1	32	<0.1	0.2 J	0.6	<4.0	66	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
RW-1	06/11/2018	800.93	36.35	764.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	06/13/2018	800.93	-	-	-	<0.1	<0.1	<0.1	<0.1	3.4	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	-
RW-1	08/20/2018	800.93	34.5	766.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/22/2018	800.93	-	-	-	<0.05	<0.05	<0.05	<0.08	1.2	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05	-
RW-1	11/07/2018	800.93	36.28	764.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/08/2018	800.93	-	-	-	<0.05	<0.05	<0.05	<0.08	0.6	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
RW-1	02/04/2019	800.93	34.46	766.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/08/2019	800.93	-	-	-	<0.05	<0.05	<0.05	<0.08	0.3 J	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
RW-1	05/06/2019	800.93	37.59	763.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/10/2019	800.93	-	-	-	<0.05	<0.05	<0.05	<0.08	0.6	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
RW-1	08/28/2019	800.93	39.58	761.35	-	<0.05	<0.05	<0.05	<0.1	0.7	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05	-
RW-1	11/06/2019	800.93	40.62	760.31	-	<0.05	<0.07	<0.06	<0.2	0.8	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06	-
RW-1	02/05/2020	800.93	38.66	762.27	-	<0.05	<0.07	<0.06	<0.2	2.2	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06	-
RW-1	04/27/2020	800.93	37.30	760.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/01/2020	800.93	37.04	763.89	-	<0.05	<0.07	<0.06	<0.2	1.1	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06	-
RW-1	07/27/2020	800.93	38.16	762.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	07/28/2020	800.93	40.30	760.63	-	<0.05	<0.07	<0.06	<0.15	0.77	<0.05	<0.05	<0.20	<1.1	<23	<59	<0.07	<0.10	<0.06	<0.1	<0.06	-
RW-1	11/03/2020	800.93	42.93	758	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/04/2020	800.93	43.01	757.92	-	<0.050	<0.070	<0.060	<0.15	1.1	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	01/29/2021	800.93	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/08/2021	800.93	39.93	761.00	-	<0.050	<0.070	<0.060	<0.15	1.4	<0.050	<0.050	<0.20	<1.1	<23	<59	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	05/11/2021	800.93	38.73	762.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/17/2021	800.93	39.20	761.73	-	<0.050	<0.070	<0.060	<0.15	0.61	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	08/09/2021	800.93	42.03	758.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/10/2021	800.93	41.98	758.95	-	<0.050	<0.070	<0.060	<0.15	1.1	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	11/09/2021	800.93	42.68	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/10/2021	800.93	42.71	758.22	-	<0.050	<0.070	<0.060	<0.15	1.2	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	02/22/2022	800.93	43.73	757.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/23/2022	800.93	43.73	757.20	-	<0.050	<0.070	<0.060	<0.15	1.4	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	05/10/2022	800.93	39.42	761.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/11/2022	800.93	39.15	761.78	-	<0.050	<0.070	<0.060	<0.15	0.59	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060	-
RW-1	08/22/2022	800.93	41.72	759.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/26/2022	800.93	41.70	759.23	-	<0.10	<0.080	<0.080	<0.070	0.80	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-1	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/15/2018	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	0.2 J	<1.0	<0.1	
RW-1	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-1	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
RW-1	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/08/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
RW-1	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/08/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
RW-1	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/10/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
RW-1	08/28/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.05 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05	
RW-1	11/06/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
RW-1	02/05/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
RW-1	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/01/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
RW-1	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	07/28/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	
RW-1	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/04/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/08/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/17/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	11/10/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/23/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	05/11/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060	
RW-1	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-2	06/07/2010	796.65	41.35	755.30	-	2.28	<1	<1	<1	9,240	-	39.2	241	2,420	1,070	<300	-	-	-	-	-
RW-2	08/19/2010	796.65	43.90	752.75	-	3.92	<1	<1	1.44	14,500	-	54.6	511	5,860	1,270	228	-	-	-	-	-
RW-2	11/23/2010	796.65	45.50	751.15	-	4.70	<2	<2	<2	11,100	-	58.8	220	4,270	1,080	383	-	-	-	-	-
RW-2	02/15/2011	796.65	46.32	750.33	-	6.18	<2	<2	4.1	10,400	-	88.9	294	3,310	1,100	296	-	-	-	-	-
RW-2	04/20/2011	796.65	-	-	-	<2	<2	<2	<4	5,910	<2	24.4	116	1,640	1,040	-	<2	<2	<2	<10	<2
RW-2	04/25/2011	796.65	40.97	755.68	-	<2	<2	<2	<4	6,110	<2	23.9	112	544	1,070	<150	<2	<2	<2	<10	<2
RW-2	04/26/2011	796.65	-	-	-	2.76	<2	<2	<4	10,200	<2	49.1	210	3,240	1,120	<150	<2	<2	<2	<10	<2
RW-2	04/27/2011	796.65	-	-	-	2.92	<2	<2	<4	9,210	<2	51.8	222	3,090	1,070	154	<2	<2	<2	<10	<2
RW-2	04/28/2011	796.65	90.20	706.45	-	<2	<2	<2	-	4,720	<2	30.1	133	1,320	1,120	171	<2	<2	<2	<10	<2
RW-2	05/02/2011	796.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/26/2011	796.65	40.02	756.63	-	<2	<2	<2	<2	7,240	-	32.4	140	1,190	1,080	162	-	-	-	-	-
RW-2	08/24/2011	796.65	43.31	753.34	-	<2	<2	<2	<2	6,370	-	23.2	107	1,600	979	<150	-	-	-	-	-
RW-2	11/28/2011	796.65	41.73	754.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/30/2011	796.65	41.73	754.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/01/2011	796.65	46.02	750.63	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/02/2011	796.65	-	-	-	2.12	<2.00	<2.00	-	5,030	<2.00	30.5	118	3,150	523	<152	<2	<2	<2	<10	<2
RW-2	12/06/2011	796.65	41.28	755.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/07/2011	796.65	49.11	747.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/08/2011	796.65	57.70	738.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/09/2011	796.65	42.78	753.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/13/2011	796.65	40.95	755.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/19/2011	796.65	60.60	736.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	12/28/2011	796.65	43.20	753.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/03/2012	796.65	51.20	745.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/09/2012	796.65	51.65	745.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/16/2012	796.65	61.39	735.26	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/17/2012	796.65	-	-	-	<2	<2	<2	-	2,670	<2	17.2	64.8	1,630	515	-	<2	<2	<2	<10	<2
RW-2	01/24/2012	796.65	50.21	746.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/31/2012	796.65	47.16	749.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/08/2012	796.65	63.18	733.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/15/2012	796.65	63.30	733.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/22/2012	796.65	60.85	735.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/27/2012	796.65	61.02	735.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	03/05/2012	796.65	62.75	733.90	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	03/07/2012	796.65	-	-	-	<2	<2	<2	-	1,580	<2	11.2	37.8	614	474	<153	<2	<2	2 VH	<10	<2



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-2	06/07/2010	△	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	08/19/2010	△	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	11/23/2010	△	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/15/2011	△	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	04/20/2011	△	△	△	△	△	△	△	△	△	2 V8	△	△	△	△	△	△	△	△	△	△	△
RW-2	04/25/2011	△	△	△	△	△	△	△	△	△	2 V4	△	△	△	△	△	△	△	△	△	△	△
RW-2	04/26/2011	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
RW-2	04/27/2011	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
RW-2	04/28/2011	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
RW-2	05/02/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	05/26/2011	△	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	08/24/2011	△	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	11/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	11/30/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/01/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/02/2011	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
RW-2	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/07/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/08/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	12/28/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/17/2012	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
RW-2	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	03/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	03/07/2012	△	△	△	△	△	△	△	△	△	△	△	△	△	△	2 VH	2 VH	△	△	△	△	△



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
RW-2	03/27/2012	796.65	68.70	727.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	04/06/2012	796.65	67.50	729.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	04/16/2012	796.65	70.25	726.40	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/08/2012	796.65	-	-	-	<2	<2	<2	-	1,280	<2	9.48	26.6	428	322	<300	<2	<2	<2	<10	<2	<2
RW-2	05/15/2012	796.65	69.60	727.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	06/05/2012	796.65	69.08	727.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	07/25/2012	796.65	74.18	722.47	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/20/2012	796.65	72.80	723.85	-	<2	<2	<2	-	626	<2	<2	24	271	<100	<153	<2	<2	<2	<10	<2	<2
RW-2	09/04/2012	796.65	72.74	723.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	10/25/2012	796.65	71.20	725.45	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/05/2012	796.65	73.60	723.05	-	<2	<2	<2	-	1,350	<2	11.6	30.2	686	<100	<154	<2	<2	<2	<10	<2	<2
RW-2	12/12/2012	796.65	75.30	721.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/22/2013	796.65	96.05	700.60	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/11/2013	796.65	76.00	720.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/12/2013	796.65	-	-	-	<1	<1	<1	-	594 VH	<1	3.05	7.1 VC	53.6	<100	<152	<1	<1	<1	<5	<1	<1
RW-2	03/07/2013	796.65	76.45	720.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	04/18/2013	796.65	77.20	719.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/13/2013	796.65	75.18	721.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/14/2013	796.65	-	-	-	<0.5	<0.5	<0.5	<1	219	<0.5	<0.5	4.43	45	246	<152	-	-	-	-	-	-
RW-2	06/03/2013	796.65	75.10	721.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	07/26/2013	796.65	75.12	721.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/05/2013	796.65	75.10	721.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/06/2013	796.65	-	-	-	<2	<2	<2	<4	229	<2	<2	4.42	48.7	229	71.8 J	<2.00	<2.00	<2	<10.0	<2	<2
RW-2	09/05/2013	796.65	75.02	721.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	10/08/2013	796.65	75.08	721.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/18/2013	796.65	77.95	718.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/20/2013	796.65	-	-	-	<2	<2	<2	<4	117	<2	<2	<2.00	<10.0	90.3 J	<27.1	<2.00	<2.00	<2	<10.0	<2	<2
RW-2	12/20/2013	796.65	78.20	718.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/23/2014	796.65	78.18	718.47	-	<0.5	<0.5	<0.5	<1	193	<0.5	1.79	3.88	35.6	302	<27.7	-	-	-	-	-	-
RW-2	02/10/2014	796.65	40.85	755.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/11/2014	796.65	-	-	-	<0.5	<0.5	<0.5	<1	205	<0.5	2.24	3.76	68.4	334	<27.4	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-2	03/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	04/16/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	05/08/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
RW-2	05/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	06/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	07/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	08/20/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
RW-2	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	11/05/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
RW-2	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/12/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	1 VC	<1	<1	
RW-2	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	05/14/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	<0.5	.	<0.5	
RW-2	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	08/06/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
RW-2	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	11/20/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	
RW-2	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	01/23/2014	<0.5	0	.	.	.	.	<0.5	.	.	.	<0.500	.	.	.	.	.	.	<0.5	.	<0.500	
RW-2	02/10/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-2	02/11/2014	<0.5	0	.	.	.	.	<0.5	.	.	.	<0.500	.	.	.	.	.	.	<0.5	.	<0.500	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
RW-2	02/24/2014	796.65	74.73	721.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/26/2014	796.65	-	-	-	<2	<2	<2	<4	142	<2	<2	2.10	<10.0	185	<27.4	<2.00	<2.00	<2	<10.0	<2	
RW-2	03/11/2014	796.65	39.43	757.22	-	<1	<1	<1	<2	96.1	<1	1.03	<1	<5	154	<23.7	<1.00	<1.00	<1	<5.00	<1	
RW-2	03/21/2014	796.65	77.90	718.75	-	<1	<1	<1	<2	77.9	<1	<1	1.35	<5	<13	<23.4	<1.00	<1.00	<1	<5.00	<1	
RW-2	04/04/2014	796.65	38.72	757.93	-	1.65	<5	<5	<10	86.1	<5	<5	<5	101	35.1	91.2	<5.00	<5.00	<5	<25.0	<5	
RW-2	04/21/2014	796.65	64.33	732.32	-	<1	<1	<1	<2	51.7	<1	<1	<1	<5	<23.4	81.0 J	<1.00	<1.00	<1	<5.00	<1	
RW-2	05/06/2014	796.65	37.60	759.05	-	<1	<1	<1	<2	38.9	<1	<1	<1	<5	<13	174	<1.00	<1.00	<1	<5.00	<1	
RW-2	05/22/2014	796.65	65.65	731.00	-	<1	<1	<1	<2	29	<1	<1	<1	<5	40.7 J	<23.4	<1.00	<1.00	<1	<5.00	<1	
RW-2	06/09/2014	796.65	38.68	757.97	-	<1	<1	<1	<2	14	<1	<1	<1	<5	47.1 J	27.2 J	<1.00	<1.00	<1	<5.00	<1	
RW-2	06/23/2014	796.65	77.70	718.95	-	<1	<1	<1	<2	32.2	<1	<1	<1	<5	59.6 J	<23.7	<1.00	<1.00	<1	<5.00	<1	
RW-2	07/10/2014	796.65	40.82	755.83	-	<1	<1	<1	<2	9.41	<1	<1	<1	<5	<13	28.4 J	<1.00	<1.00	<1	<5.00	<1	
RW-2	08/05/2014	796.65	41.87	754.78	-	<1	<1	<1	<2	14	<1	<1	<1	<5	<13	<23.4	<1.00	<1.00	<1	<5.00	<1	
RW-2	11/03/2014	796.65	44.77	751.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/04/2014	796.65	-	-	-	<1	<1	<1	<2	119	<1	1.3	2.75	101	120	56.5 J	<1.00	<1.00	<1	<5.00	<1	
RW-2	02/02/2015	796.65	45.01	751.64	-	<0.1	<0.1	<0.1	<0.1	65	<0.1	1	1.6	54	72	<45	-	-	<0.1	-	<0.1	
RW-2	02/05/2015	796.65	78.88	717.77	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.3	-	<0.2	-	
RW-2	03/02/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	130	<0.1	1.3	2.9	29	140	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	04/08/2015	796.65	77.65	719.00	-	<0.1	<0.1	<0.1	<0.1	43	<0.1	0.6	1	4.8 J	47 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	04/20/2015	796.65	77.78	718.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/01/2015	796.65	76.40	720.25	-	<0.1	<0.1	<0.1	<0.1	32	<0.1	0.4 J	0.6	<4.0	29 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	05/18/2015	796.65	76.80	719.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/19/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	17	<0.1	0.3 J	0.3 J	<4.0	22 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	05/20/2015	796.65	76.80	719.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	06/04/2015	796.65	83.91	712.74	-	<0.1	<0.1	<0.1	<0.1	29	<0.1	0.3 J	0.5 J	<4.0	34 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	06/23/2015	796.65	76.65	720.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	07/10/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	22	<0.1	0.2 J	0.2 J	<4	21 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	07/24/2015	796.65	77.60	719.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/03/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	23	<0.1	0.3 J	0.4 J	<4	32 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	08/10/2015	796.65	76.17	720.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	09/01/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	3.7	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	09/17/2015	796.65	78.45	718.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	10/06/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	18	<0.1	0.2 J	0.2 J	<4	25 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
RW-2	10/19/2015	796.65	78.38	718.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/02/2015	796.65	76.65	720.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-2	02/24/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/26/2014	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00
RW-2	03/11/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	03/21/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	04/04/2014	<5	<5.00	<5	<5.00	<5.00	<5	<5	<5	<5	<5	<5.00	<5	<5 2e	<5	<5	<5	<5	<5	<5	<5.00	<5.00
RW-2	04/21/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	05/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	05/22/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	06/09/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	06/23/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	07/10/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	08/05/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/04/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-2	02/02/2015	<0.1	-	<0.1	-	-	0.7	<0.1	<0.1	<0.1	<0.2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
RW-2	02/05/2015	-	<0.1	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	<1.0	<0.1
RW-2	03/02/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	04/08/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	04/20/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/01/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	05/20/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	06/04/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	06/23/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	07/10/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	07/24/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	09/01/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	09/17/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	10/06/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-2	10/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-2	11/03/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	14	<0.1	0.2 J	0.2 J	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	12/08/2015	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	14	<0.1	0.2 J	0.2 J	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	12/18/2015	796.65	78.28	718.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/04/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	9.9	<0.1	0.2 J	0.1 J	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	01/19/2016	797.65	78.20	719.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/08/2016	796.65	-	-	-	<0.1	<0.1	<0.1	<0.1	6.7	<0.1	0.1 J	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	03/04/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	9.3	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	03/18/2016	797.65	39.70	757.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	04/04/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	7.20	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	04/19/2016	797.65	81.10	716.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/02/2016	797.65	81.23	716.42	-	<0.1	<0.1	<0.1	<0.1	6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	06/02/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	4.7	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	06/23/2016	797.65	81.02	716.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	07/05/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	5.2	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	07/18/2016	797.65	81.70	715.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/01/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	4.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	09/08/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	8.6	<0.1	<0.1	0.1 J	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	09/19/2016	797.65	44.35	753.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	10/06/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	10/18/2016	797.65	44.80	752.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/07/2016	797.65	45.27	752.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/09/2016	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	5.1	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	01/23/2017	797.65	46.42	751.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/25/2017	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	12	<0.1	0.2 J	0.2 J	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	05/03/2017	797.65	44.68	752.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/09/2017	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	07/31/2017	797.65	44.12	753.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/01/2017	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	2.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	11/06/2017	797.65	44.83	752.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/07/2017	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	1.9	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	02/12/2018	797.65	46.13	751.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/15/2018	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	4.6	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	06/11/2018	797.65	40.69	756.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	06/13/2018	797.65	-	-	-	<0.1	<0.1	<0.1	<0.1	2.5	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-2	08/20/2018	797.65	37.86	759.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-2	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	12/08/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	12/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	01/19/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	03/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	03/18/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	04/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	04/19/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	06/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	06/23/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	07/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	07/18/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/01/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	09/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	09/19/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	10/06/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	10/18/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.1 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.1 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.1 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	0.2 J	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-2	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-2	08/22/2018	797.65	-	-	-	<0.05	<0.05	<0.05	<0.08	1.4	<0.09	<0.05	<0.3	<1.6	<11	<45	<0.06	<0.06	<0.05	<0.2	<0.05
RW-2	11/07/2018	797.65	39.40	758.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/08/2018	797.65	-	-	-	<0.05	<0.05	<0.05	<0.08	1.2	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-2	02/04/2019	797.65	38.08	759.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/08/2019	797.65	-	-	-	<0.05	<0.05	<0.05	<0.08	0.9	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-2	05/06/2019	797.65	40.32	757.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/10/2019	797.65	-	-	-	<0.05	<0.05	<0.05	<0.08	1.3	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-2	08/26/2019	797.65	42.33	755.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/29/2019	797.65	42.29	755.36	-	<0.05	<0.05	<0.05	<0.1	2.4	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-2	11/05/2019	797.65	43.77	753.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/07/2019	797.65	43.84	753.81	-	<0.05	<0.07	<0.06	<0.2	1.2	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06
RW-2	02/03/2020	797.65	43.35	754.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/10/2020	797.65	43.15	754.50	-	<0.05	<0.07	<0.06	<0.2	1.9	<0.05	<0.05	<0.2	<1.1	<23	<51	<0.07	<0.1	<0.06	<0.1	<0.06
RW-2	04/27/2020	797.65	41.84	755.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/04/2020	797.65	41.37	756.28	-	<0.05	<0.07	<0.06	<0.2	2.2	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
RW-2	07/27/2020	797.65	42.60	755.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/03/2020	797.65	42.84	754.81	-	<0.05	<0.07	<0.06	<0.15	2.4	<0.05	<0.05	<0.20	<1.1	<23	<57	<0.07	<0.10	<0.06	<0.1	<0.06
RW-2	11/03/2020	797.65	45.20	752.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/06/2020	797.65	45.39	752.26	-	<0.050	<0.070	<0.060	<0.15	2.6	<0.050	<0.050	<0.20	<1.1	<23	<58	<0.070	<0.10	<0.060	<0.10	<0.060
RW-2	01/29/2021	797.65	43.93	753.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/11/2021	797.65	41.96	755.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/17/2021	797.65	42.26	755.39	-	<0.050	<0.070	<0.060	<0.15	1.9	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
RW-2	08/09/2021	797.65	44.16	753.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/12/2021	797.65	44.30	753.35	-	<0.050	<0.070	<0.060	<0.15	4	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
RW-2	11/09/2021	797.65	45.45	752.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/11/2021	797.65	45.52	752.13	-	<0.050	<0.070	<0.060	<0.15	4.2	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
RW-2	02/22/2022	797.65	46.18	751.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/28/2022	797.65	46.25	751.40	-	<0.050	<0.070	<0.060	<0.15	4.7	<0.050	<0.050	<0.20	<1.1	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
RW-2	05/10/2022	797.65	44.14	753.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/12/2022	797.65	43.95	753.70	-	<0.050	<0.070	<0.060	<0.15	2.0	<0.050	<0.050	<0.20	<1.1	<23	<56	<0.070	<0.10	<0.060	<0.10	<0.060
RW-2	08/22/2022	797.65	45.89	751.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/29/2022	797.65	44.34	753.31	-	<0.10	<0.080	<0.080	<0.070	0.97	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.10	<0.10	<0.080	<0.10	<0.080
RW-3	06/07/2010	796.77	40.88	755.89	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<300	-	-	-	-	-
RW-3	08/20/2010	796.77	43.68	753.09	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
RW-3	11/22/2010	796.77	45.00	751.77	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
RW-2	08/22/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.3 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
RW-2	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/08/2018	<0.05	<0.05	<0.05	<0.05	<0.05	0.3 J	<0.05	<0.09	0.3 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
RW-2	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/08/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.4 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
RW-2	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/10/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	0.1 J	<0.05	<0.09	0.3 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05
RW-2	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/29/2019	0.05 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.3 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
RW-2	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/07/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.3 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06
RW-2	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/10/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.3 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06
RW-2	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/04/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.3 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.08 J	<2.0	<0.06
RW-2	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.13 J	0.17 J	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	0.18 J	<2.0	<0.06
RW-2	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/06/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.13 J	<2.0	<0.060
RW-2	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/17/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.25 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.12 J	<2.0	<0.060
RW-2	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/12/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.15 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.15 J	<2.0	<0.060
RW-2	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	11/11/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.19 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.19 J	<2.0	<0.060
RW-2	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	02/28/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.13 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	0.16 J	<2.0	<0.060
RW-2	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	0.20 J	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<2.0	<0.060
RW-2	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-2	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	0.12 J	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080
RW-3	06/07/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/20/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/22/2010	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-3	02/17/2011	796.77	45.82	750.95	-	<1	<1	<1	<1	1.17	-	<1	<1	<5	<100	<150	-	-	-	-	-
RW-3	04/25/2011	796.77	40.66	756.11	-	<1	<1	<1	<4	<1	<1	<1	<1	<10	<100	-	<1	<1	<1	<10	<1
RW-3	04/27/2011	796.77	-	-	-	<1	<1	<1	<4	<1	<1	<1	<1	<10	<100	<150	<1	<1	<1	<10	<1
RW-3	04/28/2011	796.77	71.91	724.86	-	<1	<1	<1	-	3.64	<1	<1	<1	<10	<100	<150	<1	<1	<1	<10	<1
RW-3	05/02/2011	796.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/25/2011	796.77	39.10	757.67	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
RW-3	08/23/2011	796.77	43.08	753.69	-	<1	<1	<1	<1	<1	-	<1	<1	<5	<100	<150	-	-	-	-	-
RW-3	11/28/2011	796.77	39.83	756.94	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/30/2011	796.77	39.70	757.07	-	<1	<1	<1	<1	<1	<1	<1	<1	<5	<100	<161	<1	<1	<1	<5	<1
RW-3	12/01/2011	796.77	40.02	756.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/06/2011	796.77	40.26	756.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/07/2011	796.77	40.05	756.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/08/2011	796.77	38.72	758.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/09/2011	796.77	38.38	758.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/13/2011	796.77	39.42	757.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/19/2011	796.77	37.68	759.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	12/28/2011	796.77	36.72	760.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/03/2012	796.77	36.53	760.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/09/2012	796.77	51.65	745.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/16/2012	796.77	37.53	759.24	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/19/2012	796.77	37.27	759.50	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<152	<1	<1	<1	<5	<1
RW-3	01/24/2012	796.77	37.39	759.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/31/2012	796.77	37.75	759.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/08/2012	796.77	38.30	758.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/15/2012	796.77	38.60	758.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/22/2012	796.77	38.66	758.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/27/2012	796.77	40.13	756.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	03/05/2012	796.77	39.53	757.24	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	03/09/2012	796.77	39.75	757.02	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<303	<1	<1	<1	<5	<1
RW-3	04/06/2012	796.77	41.10	755.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/07/2012	796.77	41.57	755.20	119.79	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/10/2012	796.77	41.27	755.50	119.70	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
RW-3	06/05/2012	796.77	40.29	756.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	07/25/2012	796.77	41.77	755.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/20/2012	796.77	42.45	754.32	119.72	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-3	02/17/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	2 V4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	04/25/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	04/27/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	04/28/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	05/02/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	05/25/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	08/23/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	11/28/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	11/30/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/01/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/06/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/07/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/08/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/09/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/13/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/19/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	12/28/2011	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	01/03/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	01/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	01/16/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	01/19/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	01/24/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	01/31/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	02/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	02/15/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	02/22/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	02/27/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	03/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	03/09/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	04/06/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	05/07/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	05/10/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	06/05/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	07/25/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
RW-3	08/20/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-3	08/23/2012	796.77	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
RW-3	09/04/2012	796.77	43.30	753.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	10/25/2012	796.77	43.75	753.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/05/2012	796.77	40.60	756.17	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/08/2012	796.77	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	<153	<1	<1	<1	<5	<1
RW-3	12/12/2012	796.77	41.23	755.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/22/2013	796.77	40.61	756.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/11/2013	796.77	38.75	758.02	-	-	-	-	<2	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/14/2013	796.77	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<100	348	<1	<1	<1	<5	<1
RW-3	03/07/2013	796.77	38.85	757.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	04/18/2013	796.77	39.66	757.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/13/2013	796.77	39.82	756.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/16/2013	796.77	-	-	-	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2.5	<100	<152	-	-	-	-	-
RW-3	06/03/2013	796.77	40.61	756.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	07/26/2013	796.77	41.41	755.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/05/2013	796.77	41.32	755.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/07/2013	796.77	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<100	<150	<1.00	<1.00	<1	<5.00	<1
RW-3	09/05/2013	796.77	41.73	755.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	10/08/2013	796.77	42.82	753.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/18/2013	796.77	42.82	753.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/22/2013	796.77	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	138 J	<1.00	<1.00	<1	<5.00	<1
RW-3	12/20/2013	796.77	42.19	754.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/24/2014	796.77	38.00	758.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/25/2014	796.77	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<9.35	<27.4	<1.00	<1.00	<1	<5.00	<1
RW-3	08/05/2014	796.77	40.95	755.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/03/2014	796.77	44.25	752.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/06/2014	796.77	-	-	-	<1	<1	<1	<2	<1	<1	<1	<1	<5	<13	57.4 J	<1.00	<1.00	<1	<5.00	<1
RW-3	02/02/2015	796.77	43.99	752.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/18/2015	796.77	40.67	756.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/19/2015	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-3	08/10/2015	796.77	41.20	755.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/02/2015	796.77	42.18	754.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/03/2015	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-3	02/08/2016	796.77	39.23	757.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-3	08/23/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VH	<1	<1	
RW-3	09/04/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	10/25/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/05/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/08/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
RW-3	12/12/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	01/22/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	02/11/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	02/14/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1 VC	<1	<1	
RW-3	03/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	04/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	05/16/2013	<0.5	<0.5	.	.	.	.	<0.5	.	.	.	<0.5	.	.	.	.	.	.	.	<0.5	.	<0.5
RW-3	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	07/26/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	08/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	08/07/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
RW-3	09/05/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	10/08/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/18/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/22/2013	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1 2e	<1.00	<1.00
RW-3	12/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	02/24/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	02/25/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
RW-3	08/05/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/03/2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
RW-3	02/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	05/18/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	05/19/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
RW-3	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RW-3	11/03/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
RW-3	05/02/2016	796.77	37.41	759.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/03/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<4.0	<20	98 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	08/01/2016	796.77	40.10	756.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/07/2016	796.77	44.44	752.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/09/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	01/23/2017	796.77	45.62	751.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/25/2017	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<4	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	05/03/2017	796.77	44.03	752.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/05/2017	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	74 J	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	07/31/2017	796.77	43.36	753.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/06/2017	796.77	43.95	752.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/09/2017	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	02/12/2018	796.77	44.47	752.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/14/2018	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	06/11/2018	796.77	39.2	757.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	06/13/2018	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<4.0	<20	<45	<0.1	<0.3	<0.1	<0.2	<0.1	<0.1
RW-3	08/20/2018	796.77	36.20	760.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/23/2018	796.77	-	-	-	<0.05	<0.05	<0.05	<0.08	<0.05	<0.09	<0.05	<0.3	<1.6	11 J	<45	<0.06	<0.06	<0.05	<0.2	<0.05	<0.05
RW-3	11/07/2018	796.77	36.85	759.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/04/2019	796.77	36.57	760.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/06/2019	796.77	38.84	757.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/26/2019	796.77	41.93	754.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/05/2019	796.77	42.98	753.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/03/2020	796.77	42.93	753.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	04/27/2020	796.77	41.42	755.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	07/27/2020	796.77	42.20	754.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/03/2020	796.77	44.71	752.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/29/2021	796.77	42.78	753.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/11/2021	796.77	41.35	755.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/09/2021	796.77	43.80	752.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/09/2021	796.77	44.78	751.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/22/2022	796.77	45.08	751.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/10/2022	796.77	41.70	755.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/22/2022	796.77	42.21	754.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/26/2022	796.77	43.20	753.57	-	<0.10	<0.080	<0.080	<0.070	0.41 J	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.10	<0.10	<0.080	<0.10	<0.080	<0.080



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-3	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/05/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	0.2 J	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/14/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	0.2 J	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-3	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/23/2018	<0.05	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.6	<0.05	
RW-3	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-3	08/26/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-4	02/02/2015	796.77	49.31	747.46	-	<2.0	<2.0	<2.0	<2.0	1,300	<2.0	6.8 J	28	280	1,200	48 J	<2.0	<6.0	<2	<4.0	<2
RW-4	02/05/2015	796.77	68.94	727.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	03/02/2015	796.77	-	-	-	<1.0	<1.0	<1.0	<1.0	1,700	<1.0	7.4	37	430	1,500	67 J	<1.0	<3.0	<1	<2.0	<1
RW-4	04/08/2015	796.77	69.80	726.97	-	<1.0	<1.0	<1.0	<1.0	1,300	<1.0	6.6	28	180	1,200	<45	<1.0	<3.0	<1	<2.0	<1
RW-4	04/20/2015	796.77	67.48	729.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/01/2015	796.77	78.30	718.47	-	<1.0	<1.0	<1.0	<1.0	1,300	<1.0	4.9 J	26	230	880	<45	<1.0	<3.0	<1	<2.0	<1
RW-4	05/18/2015	796.77	78.10	718.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/19/2015	796.77	-	-	-	<1.0	<1.0	<1.0	<1.0	1,000	<0.1	4.7 J	21	94 J	820	<45	<1.0	<3.0	<1	<2.0	<1
RW-4	05/20/2015	796.77	78.10	718.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	06/04/2015	796.77	61.10	735.67	-	<1.0	<1.0	<1.0	<1.0	840	<1.0	4.0 J	17	68 J	370	53 J	<1.0	<3.0	<1	<2.0	<1
RW-4	06/23/2015	796.77	75.95	720.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	07/10/2015	796.77	-	-	-	<1	<1	<1	<1	310	<1	1.4 J	5.1	56 J	360	72 J	<1.0	<3.0	<1	<2.0	<1
RW-4	07/24/2015	796.77	78.08	718.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/03/2015	796.77	-	-	-	<2	<2	<2	<2	480	<2	2.6 J	10	<80	580	<45	<2.0	<6.0	<2	<4.0	<2
RW-4	08/10/2015	796.77	77.70	719.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	09/01/2015	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	250	<0.1	1.8	6.3	8.6 J	260	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	09/17/2015	796.77	77.72	719.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	10/06/2015	796.77	-	-	-	<0.5	<0.5	<0.5	<0.5	360	<0.5	1.8 J	7.3	23 J	400	<45	<0.5	<1.5	<0.5	<1.0	<0.5
RW-4	10/19/2015	796.77	77.72	719.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/02/2015	796.77	77.75	719.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/03/2015	796.77	-	-	-	<0.5	<0.5	<0.5	<0.5	270	<0.5	1.4 J	5.1	<20	290	<45	<0.5	<1.5	<0.5	<1.0	<0.5
RW-4	12/08/2015	796.77	-	-	-	<0.5	<0.5	<0.5	<0.5	220	<0.5	1.2 J	3.9	<20	260	<45	<0.5	<1.5	<0.5	<1.0	<0.5
RW-4	12/18/2015	796.77	76.70	720.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	01/04/2016	796.77	-	-	-	<0.5	<0.5	<0.5	<0.5	180	<0.5	1.1 J	3.4	<20	190	<45	<0.5	<1.5	<0.5	<1.0	<0.5
RW-4	01/19/2016	796.77	76.80	719.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/08/2016	796.77	76.84	719.93	-	<0.1	<0.1	<0.1	<0.1	120	<0.1	0.9	2.7	7.1 J	150	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	03/04/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	120	<0.1	0.6	2.5	12	140	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	03/18/2016	796.77	76.84	719.93	-	-	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	04/04/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	84	<0.1	0.6	2	8.4 J	120	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	04/19/2016	796.77	77.50	719.27	-	-	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/02/2016	796.77	77.64	719.13	-	<0.1	<0.1	<0.1	<0.1	74	<0.1	0.7	1.8	4.9 J	95	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	06/02/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	62	<0.1	0.5	1.2	4.1 J	81	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	06/23/2016	796.77	77.68	719.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	07/05/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	63	<0.1	0.5	1.4	4.6 J	75	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	07/18/2016	796.77	77.10	719.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)		
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5		
RW-4	02/02/2015	<2	<2.0	<2	<2.0	<2.0	21	<2	<2	<2	<4	<2.0	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2.0	
RW-4	02/05/2015
RW-4	03/02/2015	<1	<1.0	<1	<1.0	<1.0	4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
RW-4	04/08/2015	<1	<1.0	<1	<1.0	<1.0	4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
RW-4	04/20/2015
RW-4	05/01/2015	<1	<1.0	<1	<1.0	<1.0	4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
RW-4	05/18/2015
RW-4	05/19/2015	<1	<1.0	<1	<1.0	<1.0	4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
RW-4	05/20/2015
RW-4	06/04/2015	<1	<1.0	<1	<1.0	<1.0	4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
RW-4	06/23/2015
RW-4	07/10/2015	<1	<1.0	<1	<1.0	<1.0	4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
RW-4	07/24/2015
RW-4	08/03/2015	<2	<2.0	<2	<2.0	<2.0	8	<2	<2	<2	4	<2.0	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2.0	
RW-4	08/10/2015
RW-4	09/01/2015	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	09/17/2015
RW-4	10/06/2015	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
RW-4	10/19/2015
RW-4	11/02/2015
RW-4	11/03/2015	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
RW-4	12/08/2015	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
RW-4	12/18/2015
RW-4	01/04/2016	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
RW-4	01/19/2016
RW-4	02/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	03/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	03/18/2016
RW-4	04/04/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	04/19/2016
RW-4	05/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	06/02/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	06/23/2016
RW-4	07/05/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
RW-4	07/18/2016

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-4	08/01/2016	796.77	77.20	719.57	-	<0.1	<0.1	<0.1	<0.1	55	<0.1	0.4 J	1	4.3 J	59	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	09/08/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	56	<0.1	0.5 J	1.1	<4	56	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	09/19/2016	796.77	77.42	719.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	10/06/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	36	<0.1	0.4 J	0.9	<4.0	53	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	10/18/2016	796.77	74.00	722.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/07/2016	796.77	49.70	747.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/09/2016	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	25	<0.1	0.2 J	0.5 J	<4.0	38 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	01/23/2017	796.77	50.37	746.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	01/25/2017	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	38	<0.1	0.3 J	0.8	6 J	45 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	05/03/2017	796.77	48.9	747.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/09/2017	796.77	-	-	-	0.1 J	<0.1	<0.1	<0.1	56	<0.1	0.6	1.1	11	64	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	07/31/2017	796.77	48.40	748.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/01/2017	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	42	<0.1	0.4 J	0.8	6.2 J	49 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	11/06/2017	796.77	48.98	747.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/07/2017	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	26	<0.1	0.3 J	0.5 J	5.4 J	49 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	02/12/2018	796.77	50.19	746.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/15/2018	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	30	<0.1	0.3 J	0.5 J	5.6 J	51	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	06/11/2018	796.77	45.39	751.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	06/13/2018	796.77	-	-	-	<0.1	<0.1	<0.1	<0.1	33	<0.1	0.2 J	0.5 J	5.4 J	35 J	<45	<0.1	<0.3	<0.1	<0.2	<0.1
RW-4	08/20/2018	796.77	42.78	753.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/22/2018	796.77	-	-	-	<0.05	<0.05	<0.05	<0.08	25	<0.09	0.4 J	0.6 J	3.8 J	27 J	<45	<0.06	<0.06	<0.05	<0.2	<0.05
RW-4	11/07/2018	796.77	44.16	752.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/08/2018	796.77	-	-	-	<0.05	<0.05	<0.05	<0.08	13	0.1 J	0.1 J	<0.3	<1.6	12 J	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-4	02/04/2019	796.77	42.94	753.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/08/2019	796.77	-	-	-	<0.05	<0.05	<0.05	<0.08	15	<0.09	0.2 J	<0.3	<1.6	15 J	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-4	05/06/2019	796.77	45.08	751.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/10/2019	796.77	-	-	-	<0.05	<0.05	<0.05	<0.08	10	<0.09	0.1 J	<0.3	<1.6	11 J	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-4	08/26/2019	796.77	47.03	749.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/29/2019	796.77	46.80	749.97	-	<0.05	<0.05	<0.05	<0.1	3.5	<0.09	<0.05	<0.3	<1.6	<11	<53	<0.06	<0.06	<0.05	<0.2	<0.05
RW-4	11/05/2019	796.77	48.30	748.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/07/2019	796.77	48.30	748.47	-	<0.05	<0.07	<0.06	<0.2	2.6	<0.05	<0.05	<0.2	<1.1	<23	<49	<0.07	<0.1	<0.06	<0.1	<0.06
RW-4	02/03/2020	796.77	47.85	748.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/11/2020	796.77	50.22	746.55	-	<0.05	<0.07	<0.06	<0.2	2.7	<0.05	<0.05	<0.2	<1.1	<23	<50	<0.07	<0.1	<0.06	<0.1	<0.06
RW-4	04/27/2020	796.77	46.45	750.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/01/2020	796.77	46.20	750.57	-	<0.05	<0.07	<0.06	<0.2	2.4	<0.05	<0.05	<0.2	<1.1	<23	82 J	<0.07	<0.1	<0.06	<0.1	<0.06



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-4	08/01/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	09/08/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	09/19/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	10/06/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	10/18/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/09/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/09/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/01/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/15/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	06/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
RW-4	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/22/2018	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.05 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
RW-4	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/08/2018	0.05 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.07 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
RW-4	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/08/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.07 J	0.1 J	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
RW-4	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/10/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.1 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
RW-4	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	08/29/2019	0.05 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	0.1 J	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
RW-4	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	11/07/2019	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.1 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
RW-4	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	02/11/2020	0.05 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.1 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
RW-4	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-4	05/01/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.2 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06	<0.06

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
RW-4	07/27/2020	796.77	46.98	749.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/01/2011	-	DRY	-	14.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/07/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/08/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/09/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/13/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/19/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/03/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/09/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/24/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/31/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/15/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/22/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/27/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	03/09/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	04/06/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/07/2012	-	DRY	-	15.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/10/2015	-	DRY	-	14.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/02/2015	-	DRY	-	14.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/01/2016	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/03/2017	-	DRY	-	14.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	07/31/2017	-	DRY	-	14.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	06/11/2018	-	DRY	-	14.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/01/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/07/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/08/2011	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/09/2011	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
RW-4	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/24/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/31/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/15/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/27/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	03/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	04/06/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/07/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
TF-2	12/13/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/19/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/03/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/09/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/24/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/31/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/08/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/15/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/22/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/27/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	03/09/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	04/06/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/07/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	08/10/2015	-	DRY	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	11/02/2015	-	DRY	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	08/01/2016	-	DRY	-	14.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/03/2017	-	DRY	-	14.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	07/31/2017	-	DRY	-	14.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	06/11/2018	-	DRY	-	14.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	12/06/2011	-	DRY	-	14.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	03/09/2012	-	DRY	-	14.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/07/2012	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	08/10/2015	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	11/02/2015	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	08/01/2016	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
TF-2	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/03/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	07/31/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	11/06/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/12/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	06/11/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
TF-3	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/03/2017	-	14.90	-	14.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	07/31/2017	-	DRY	-	14.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	06/11/2018	-	DRY	-	14.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	12/06/2011	-	DRY	-	14.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	03/09/2012	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/07/2012	-	DRY	-	14.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	08/10/2015	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/02/2015	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	08/01/2016	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/03/2017	-	DRY	-	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	07/31/2017	-	DRY	-	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	06/11/2018	-	DRY	-	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/07/2013	-	390.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2013	-	345.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/13/2013	-	247.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/14/2013	-	224.80	-	-	8.54	<0.5	<0.5	4.72	2,450	1.23	-	-	-	-	-	-	-	-	-	-
1608R	05/16/2013	-	181.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/17/2013	-	163.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/20/2013	-	155.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/23/2013	-	303.48	-	-	<0.5	<0.5	<0.5	<1	2,280	<0.5	15.9	80.5	1,390	-	-	-	-	-	-	-
1608R	06/03/2013	-	80.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/19/2013	-	55.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/08/2013	-	55.86	-	140	<2	<2	<2	<4	4,690	<2	37.7	176	1,240	1,370	93.9 J	<2.00	<2.00	<2	<10.0	<2
1608R	08/07/2014	-	54.58	-	-	<1	<1	<1	<2	1,880	<1	8.92	31.5	485	31.5 J	<23.4	<1.00	<1.00	<1	<5.00	<1



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
TF-3	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	12/06/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	03/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/07/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/07/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/13/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/14/2013	<0.5	<0.5	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	<0.5	-	<0.5	-
1608R	05/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/17/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/20/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/23/2013	<0.5	<0.5	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	<0.5	-	<0.5	-
1608R	06/03/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/19/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/08/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00
1608R	08/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	<1.00



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
1608R	11/03/2014	-	56.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/06/2014	-	-	-	-	<1	<1	<1	<2	2,010	<1	11.6	55	586	666	30.4 J	<1.00	<1.00	<1	<5.00	<1	
1608R	02/02/2015	-	57.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/04/2015	-	-	-	-	<1.0	<1.0	<1.0	<1.0	1,500	<1.0	5.3	30	650	1,300	71 J	<1.0	<3.0	<1	<2.0	<1	
1608R	03/19/2015	-	57.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	04/08/2015	-	57.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2015	-	56.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/19/2015	-	-	-	-	0.6	<0.1	<0.1	0.2 J	1,600	<0.1	8.5	38	660	1,500	<45	<0.1	<0.3	<0.1	<0.2	<0.1	
1608R	08/11/2015	-	-	-	-	<5	<5	<5	<5	1,200	<5	<5	20 J	530	1,300	<45	<5.0	<15	<5	<10	<5	
1608R	11/03/2015	-	-	-	-	<5	<5	<5	<5	1300	<5	5.3 J	25	660	1400	55 J	<5.0	<15	<5	<10	<5	
1608R	01/13/2016	-	57.95	-	-	<5.0	<5.0	<5.0	<5.0	2500	<5.0	8.7 J	46	1000	3000	-	<5.0	<15	<5.0	<10	<5.0	
1608R	01/19/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	1800	<2.0	7.5 J	36	470	1800	<45	<2.0	<6.0	<2.0	<4.0	<2.0	
1608R	02/08/2016	-	61.86	-	-	<2.0	<2.0	<2.0	<2.0	1100	<2.0	4.7 J	21	260	1200	<45	<2.0	<6.0	<2.0	<4.0	<2.0	
1608R	05/02/2016	-	54.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/03/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	520	<2.0	2.6 J	11	140 J	660	<45	<2.0	<6.0	<2.0	<4.0	<2.0	
1608R	08/01/2016	-	56.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/02/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	680	<2.0	2.5 J	12	170 J	740	<45	<2.0	<6.0	<2.0	<4.0	<2.0	
1608R	11/07/2016	-	57.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	700	<2.0	2.5 J	11	<80	740	<45	<2.0	<6.0	<2.0	<4.0	<2.0	
1608R	01/23/2017	-	58.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	01/25/2017	-	-	-	-	<1.0	<1.0	<1.0	<1.0	810	<1.0	3.5 J	17	65 J	810	<45	<1.0	<3.0	<1.0	<2.0	<1.0	
1608R	05/03/2017	-	56.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2017	-	-	-	-	<0.2	<0.2	<0.2	<0.2	350	0.3 J	1.7	8.1	35	380	<45	<0.2	<0.6	<0.2	<0.4	<0.2	
1608R	08/01/2017	-	-	-	-	<0.2	<0.2	<0.2	<0.2	580	<0.2	2.6	13	54	580	<45	<0.2	<0.6	<0.2	<0.4	<0.2	
1608R	11/06/2017	-	57.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/07/2017	-	-	-	-	<0.5	<0.5	<0.5	<0.5	450	<0.5	1.9 J	8.4	43 J	620	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
1608R	02/12/2018	-	58.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/13/2018	-	-	-	-	<1.0	<1.0	<1.0	<1.0	480	<1.0	2.2 J	8.2	56 J	400	<45	<1.0	<3.0	<1.0	<2.0	<1.0	
1608R	06/11/2018	-	53.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/13/2018	-	-	-	-	<0.5	<0.5	<0.5	<0.5	430	<0.5	2.0 J	9.8	48 J	390	<45	<0.5	<1.5	<0.5	<1.0	<0.5	
1608R	08/20/2018	-	50.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/21/2018	-	-	-	-	<0.5	<0.5	<0.5	<0.8	360	<0.9	1.9 J	7.7 J	44 J	370	64 J	<0.6	<0.6	<0.5	<2.0	<0.5	
1608R	11/07/2018	-	50.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2018	-	50.99	-	-	<0.5	<0.5	<0.5	<0.8	200	<0.9	0.6 J	<3.0	34 J	280	<53	<0.6	<0.6	<0.5	<2.0	<0.5	
1608R	02/04/2019	-	49.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/06/2019	-	49.88	-	-	<0.1	<0.1	<0.1	<0.2	250	<0.2	1.3	6.1	29	240	<53	<0.1	<0.1	<0.1	<0.4	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
1608R	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00	
1608R	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/04/2015	<1	<1.0	<1	<1.0	<1.0	<4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<10	<1.0	
1608R	03/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	04/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/19/2015	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	
1608R	08/11/2015	<5	<5.0	<5	<5.0	<5.0	<20	<5	<5	<5	<10	<5.0	<5	<5	<5	<5	<5	<5	<5	<50	<5.0	
1608R	11/03/2015	<5	<5.0	<5	<5.0	<5.0	<20	<5	<5	<5	<10	<5.0	<5	<5	<5	<5	<5	<5	<5	<50	<5.0	
1608R	01/13/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	
1608R	01/19/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	
1608R	02/08/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	
1608R	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/03/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	
1608R	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/02/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	
1608R	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	
1608R	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	01/25/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	
1608R	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2	
1608R	08/01/2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2	
1608R	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/07/2017	< 0.5	<0.5	< 0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<5.0	<0.5	
1608R	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/13/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	
1608R	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/13/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	
1608R	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/21/2018	<0.5	<0.5	<0.5	<0.5	<0.5	1 J	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5	
1608R	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5	
1608R	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/06/2019	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.2	<0.1	



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
1608R	05/06/2019	-	51.78	-	-	<0.1	0.2 J	<0.1	<0.2	220	<0.2	1.1	4.3	17 J	200	<53	<0.1	<0.1	<0.1	<0.4	<0.1
1608R	05/09/2019	-	52.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/26/2019	-	54.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2019	-	54.25	-	-	<0.05	<0.05	<0.05	<0.1	160	<0.09	1	4	12	190	<53	<0.06	<0.06	<0.05	<0.2	<0.05
1608R	11/05/2019	-	55.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/08/2019	-	55.82	-	-	<0.05	<0.07	<0.06	<0.2	140	<0.05	0.7	3.1	12	160	<49	<0.07	<0.1	<0.06	<0.1	<0.06
1608R	02/03/2020	-	55.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/11/2020	-	54.92	-	-	<0.05	<0.07	<0.06	<0.2	140	<0.05	0.8	3.1	7.2 J	150	<50	<0.07	<0.1	<0.06	<0.1	<0.06
1608R	04/27/2020	-	53.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/04/2020	-	53.48	-	-	<0.05	<0.07	<0.06	<0.2	120	<0.05	0.6	2.8	6.4 J	120	<50	<0.07	<0.1	<0.06	<0.1	<0.06
1608R	07/27/2020	-	54.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/03/2020	-	54.52	-	-	<0.05	0.17 J	<0.06	<0.15	94	<0.05	0.6	2.2	4.6 J	130	<58	<0.07	<0.10	<0.06	<0.1	<0.06
1608R	11/03/2020	-	56.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2020	-	56.77	-	-	<0.050	<0.070	<0.060	<0.15	93	<0.050	0.49 J	2	2.6 J	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	01/29/2021	-	56.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/05/2021	-	55.80	-	-	<0.050	<0.070	<0.060	<0.15	78	<0.050	0.47 J	1.8	3.3 J	100	<59	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	05/11/2021	-	53.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2021	-	53.74	-	-	<0.050	<0.070	<0.060	<0.15	59	<0.050	0.39 J	1.4	<1.1	85	<56	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	08/09/2021	-	55.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/16/2021	-	55.53	-	-	<0.050	<0.070	<0.060	<0.15	59	<0.050	0.36 J	1.4	<1.1	67	69 J	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	11/09/2021	-	56.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/15/2021	-	-	-	-	<0.050	<0.070	<0.060	<0.15	57	<0.050	0.38 J	1.4	<1.1	60	<57	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	02/22/2022	-	57.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	03/03/2022	-	57.27	-	-	<0.050	<0.070	<0.060	<0.15	44	<0.050	0.30 J	0.97	<1.1	55	<56	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	05/10/2022	-	55.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/12/2022	-	55.77	-	-	<0.050	<0.070	<0.060	<0.15	46	<0.050	0.32 J	1.0	<1.1	55	<57	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	08/02/2022	-	54.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2022	-	55.40	-	-	<0.10	<0.080	<0.080	<0.070	39	<0.080	0.26 J	0.89	<3.0	27 J	<57	<0.10	<0.10	<0.080	<0.10	<0.080



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
1608R	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2019	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.2	<0.1	
1608R	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
1608R	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/08/2019	0.05 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/11/2020	0.06 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/04/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/05/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/16/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/15/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	03/03/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	08/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	

Notes:

* GW Cleanup Standards are the Maryland Department of the Environment (MDE) Groundwater Clean-up Standards for Type I and II Aquifers 2018

- In Third Quarter 2020, recovery well RW-4 was converted back to a potable well for the 1608 Rayville Rd. residence.

- During this gauging event, MW-23 was inaccessible and therefore not gauged.

(-) = No data available.

<# = result less than the method detection limit



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5

µg/L = Micrograms per liter
 BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylene. Total BTEX is a sum of detected concentrations, including estimated concentrations (identified with a "J").
 DRY = No water for sampling
 MTBE = Methyl Tertiary Butyl Ether
 TPH-DRO = Total-petroleum hydrocarbons-diesel range organics
 TPH-GRO = Total-petroleum hydrocarbons-gasoline range organics
 NL = No Limit (screening)
 J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
 B = Compound detected in the laboratory blank and sample.
 NA = Not Accessible



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
RW-4	05/01/2020	796.77	46.20	750.57	-	<0.05	<0.07	<0.06	<0.2	2.4	<0.05	<0.05	<0.2	<1.1	<23	82 J	<0.07	<0.1	<0.06	<0.1	<0.06
RW-4	07/27/2020	796.77	46.98	749.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/01/2011	-	DRY	-	14.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/07/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/08/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/09/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/13/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/19/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/03/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/09/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/24/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/31/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/15/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/22/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/27/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	03/09/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	04/06/2012	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/07/2012	-	DRY	-	15.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/10/2015	-	DRY	-	14.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/02/2015	-	DRY	-	14.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/01/2016	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/03/2017	-	DRY	-	14.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	07/31/2017	-	DRY	-	14.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	06/11/2018	-	DRY	-	14.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/01/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/07/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/08/2011	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
RW-4	05/01/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	0.2 J	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<2.0	<0.06
RW-4	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/09/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/13/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	12/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/03/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/24/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/31/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/15/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/27/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	03/09/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	04/06/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/07/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/10/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/08/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	07/31/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-1	05/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/01/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/07/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/08/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
TF-2	12/09/2011	-	DRY	-	14.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/13/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	12/19/2011	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/03/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/09/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/24/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/31/2012	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/08/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/15/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/22/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/27/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	03/09/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	04/06/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/07/2012	-	DRY	-	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	08/10/2015	-	DRY	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	11/02/2015	-	DRY	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	08/01/2016	-	DRY	-	14.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/03/2017	-	DRY	-	14.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	07/31/2017	-	DRY	-	14.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	06/11/2018	-	DRY	-	14.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	12/06/2011	-	DRY	-	14.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	03/09/2012	-	DRY	-	14.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/07/2012	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	08/10/2015	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	11/02/2015	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	08/01/2016	-	DRY	-	14.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
TF-2	12/09/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	12/13/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	12/19/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/03/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/24/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/31/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/08/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/15/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/22/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/27/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	04/06/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/03/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	07/31/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	11/06/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	02/12/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	06/11/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-2	05/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (ug/L)	
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05	
TF-3	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/03/2017	-	14.90	-	14.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	07/31/2017	-	DRY	-	14.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	06/11/2018	-	DRY	-	14.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-3	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	12/06/2011	-	DRY	-	14.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	03/09/2012	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/07/2012	-	DRY	-	14.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	08/10/2015	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/02/2015	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	02/08/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/02/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	08/01/2016	-	DRY	-	14.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/07/2016	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	01/23/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/03/2017	-	DRY	-	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	07/31/2017	-	DRY	-	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	11/06/2017	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	02/12/2018	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	06/11/2018	-	DRY	-	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	05/27/2020	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/07/2013	-	390.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2013	-	345.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/13/2013	-	247.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/14/2013	-	224.80	-	-	8.54	<0.5	<0.5	4.72	2,450	1.23	-	-	-	-	-	-	-	-	-	-	-
1608R	05/16/2013	-	181.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/17/2013	-	163.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/20/2013	-	155.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/23/2013	-	303.48	-	-	<0.5	<0.5	<0.5	<1	2,280	<0.5	15.9	80.5	1,390	-	-	-	-	-	-	-	-
1608R	06/03/2013	-	80.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/19/2013	-	55.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
TF-3	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	05/03/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	07/31/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	11/06/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	02/12/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	06/11/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-3	05/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	12/06/2011	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	03/09/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	05/07/2012	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	08/10/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	11/02/2015	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	02/08/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	05/02/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	08/01/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	11/07/2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	01/23/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	05/03/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	07/31/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	11/06/2017	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	02/12/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	06/11/2018	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TF-4	05/27/2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/07/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/09/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/13/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/14/2013	<0.5	<0.5	.	.	.	.	.	.	.	<0.5	.	.	.	.	.	.	.	<0.5	.	<0.5	
1608R	05/16/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/17/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/20/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	05/23/2013	<0.5	<0.5	.	.	.	.	.	.	.	<0.5	.	.	.	.	.	.	.	<0.5	.	<0.5	
1608R	06/03/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1608R	06/19/2013	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
1608R	08/08/2013	-	55.86	-	140	<2	<2	<2	<4	4,690	<2	37.7	176	1,240	1,370	93.9 J	<2.00	<2.00	<2	<10.0	<2
1608R	08/07/2014	-	54.58	-	-	<1	<1	<1	<2	1,880	<1	8.92	31.5	485	31.5 J	<23.4	<1.00	<1.00	<1	<5.00	<1
1608R	11/03/2014	-	56.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/06/2014	-	-	-	-	<1	<1	<1	<2	2,010	<1	11.6	55	586	666	30.4 J	<1.00	<1.00	<1	<5.00	<1
1608R	02/02/2015	-	57.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/04/2015	-	-	-	-	<1.0	<1.0	<1.0	<1.0	1,500	<1.0	5.3	30	650	1,300	71 J	<1.0	<3.0	<1	<2.0	<1
1608R	03/19/2015	-	57.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	04/08/2015	-	57.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2015	-	56.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/19/2015	-	-	-	-	0.6	<0.1	<0.1	0.2 J	1,600	<0.1	8.5	38	660	1,500	<45	<0.1	<0.3	<0.1	<0.2	<0.1
1608R	08/11/2015	-	-	-	-	<5	<5	<5	<5	1,200	<5	<5	20 J	530	1,300	<45	<5.0	<15	<5	<10	<5
1608R	11/03/2015	-	-	-	-	<5	<5	<5	<5	1300	<5	5.3 J	25	660	1400	55 J	<5.0	<15	<5	<10	<5
1608R	01/13/2016	-	57.95	-	-	<5.0	<5.0	<5.0	<5.0	2500	<5.0	8.7 J	46	1000	3000	-	<5.0	<15	<5.0	<10	<5.0
1608R	01/19/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	1800	<2.0	7.5 J	36	470	1800	<45	<2.0	<6.0	<2.0	<4.0	<2.0
1608R	02/08/2016	-	61.86	-	-	<2.0	<2.0	<2.0	<2.0	1100	<2.0	4.7 J	21	260	1200	<45	<2.0	<6.0	<2.0	<4.0	<2.0
1608R	05/02/2016	-	54.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/03/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	520	<2.0	2.6 J	11	140 J	660	<45	<2.0	<6.0	<2.0	<4.0	<2.0
1608R	08/01/2016	-	56.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/02/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	680	<2.0	2.5 J	12	170 J	740	<45	<2.0	<6.0	<2.0	<4.0	<2.0
1608R	11/07/2016	-	57.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2016	-	-	-	-	<2.0	<2.0	<2.0	<2.0	700	<2.0	2.5 J	11	<80	740	<45	<2.0	<6.0	<2.0	<4.0	<2.0
1608R	01/23/2017	-	58.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	01/25/2017	-	-	-	-	<1.0	<1.0	<1.0	<1.0	810	<1.0	3.5 J	17	65 J	810	<45	<1.0	<3.0	<1.0	<2.0	<1.0
1608R	05/03/2017	-	56.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2017	-	-	-	-	<0.2	<0.2	<0.2	<0.2	350	0.3 J	1.7	8.1	35	380	<45	<0.2	<0.6	<0.2	<0.4	<0.2
1608R	08/01/2017	-	-	-	-	<0.2	<0.2	<0.2	<0.2	580	<0.2	2.6	13	54	580	<45	<0.2	<0.6	<0.2	<0.4	<0.2
1608R	11/06/2017	-	57.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/07/2017	-	-	-	-	<0.5	<0.5	<0.5	<0.5	450	<0.5	1.9 J	8.4	43 J	620	<45	<0.5	<1.5	<0.5	<1.0	<0.5
1608R	02/12/2018	-	58.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/13/2018	-	-	-	-	<1.0	<1.0	<1.0	<1.0	480	<1.0	2.2 J	8.2	56 J	400	<45	<1.0	<3.0	<1.0	<2.0	<1.0
1608R	06/11/2018	-	53.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/13/2018	-	-	-	-	<0.5	<0.5	<0.5	<0.5	430	<0.5	2.0 J	9.8	48 J	390	<45	<0.5	<1.5	<0.5	<1.0	<0.5
1608R	08/20/2018	-	50.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5
1608R	08/08/2013	<2	<2.00	<2	<2.00	<2.00	<2	<2	<2	<2	<2	<2.00	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00
1608R	08/07/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
1608R	11/03/2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/06/2014	<1	<1.00	<1	<1.00	<1.00	<1	<1	<1	<1	<1	<1.00	<1	<1	<1	<1	<1	<1	<1	<1.00	<1.00
1608R	02/02/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/04/2015	<1	<1.0	<1	<1.0	<1.0	<4	<1	<1	<1	<2	<1.0	<1	<1	<1	<1	<1	<1	<1	<10	<1.0
1608R	03/19/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	04/08/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/19/2015	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.4	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1
1608R	08/11/2015	<5	<5.0	<5	<5.0	<5.0	<20	<5	<5	<5	<10	<5.0	<5	<5	<5	<5	<5	<5	<5	<50	<5.0
1608R	11/03/2015	<5	<5.0	<5	<5.0	<5.0	<20	<5	<5	<5	<10	<5.0	<5	<5	<5	<5	<5	<5	<5	<50	<5.0
1608R	01/13/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0
1608R	01/19/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0
1608R	02/08/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0
1608R	05/02/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/03/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0
1608R	08/01/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/02/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0
1608R	11/07/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0
1608R	01/23/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	01/25/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0
1608R	05/03/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2
1608R	08/01/2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2
1608R	11/06/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/07/2017	< 0.5	<0.5	< 0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<5.0	<0.5
1608R	02/12/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/13/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0
1608R	06/11/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	06/13/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
1608R	08/20/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Depth to Bottom (Measured Depth) (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*						5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	0.076	NL	5.6	0.2	0.05
1608R	08/21/2018	-	-	-	-	<0.5	<0.5	<0.5	<0.8	360	<0.9	1.9 J	7.7 J	44 J	370	64 J	<0.6	<0.6	<0.5	<2.0	<0.5
1608R	11/07/2018	-	50.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2018	-	50.99	-	-	<0.5	<0.5	<0.5	<0.8	200	<0.9	0.6 J	<3.0	34 J	280	<53	<0.6	<0.6	<0.5	<2.0	<0.5
1608R	02/04/2019	-	49.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/06/2019	-	49.88	-	-	<0.1	<0.1	<0.1	<0.2	250	<0.2	1.3	6.1	29	240	<53	<0.1	<0.1	<0.1	<0.4	<0.1
1608R	05/06/2019	-	51.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2019	-	52.00	-	-	<0.1	0.2 J	<0.1	<0.2	220	<0.2	1.1	4.3	17 J	200	<53	<0.1	<0.1	<0.1	<0.4	<0.1
1608R	08/26/2019	-	54.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2019	-	54.25	-	-	<0.05	<0.05	<0.05	<0.1	160	<0.09	1	4	12	190	<53	<0.06	<0.06	<0.05	<0.2	<0.05
1608R	11/05/2019	-	55.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/08/2019	-	55.82	-	-	<0.05	<0.07	<0.06	<0.2	140	<0.05	0.7	3.1	12	160	<49	<0.07	<0.1	<0.06	<0.1	<0.06
1608R	02/03/2020	-	55.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/11/2020	-	54.92	-	-	<0.05	<0.07	<0.06	<0.2	140	<0.05	0.8	3.1	7.2 J	150	<50	<0.07	<0.1	<0.06	<0.1	<0.06
1608R	04/27/2020	-	53.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/04/2020	-	53.48	-	-	<0.05	<0.07	<0.06	<0.2	120	<0.05	0.6	2.8	6.4 J	120	<50	<0.07	<0.1	<0.06	<0.1	<0.06
1608R	07/27/2020	-	54.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/03/2020	-	54.52	-	-	<0.05	0.17 J	<0.06	<0.15	94	<0.05	0.6	2.2	4.6 J	130	<58	<0.07	<0.10	<0.06	<0.1	<0.06
1608R	11/03/2020	-	56.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2020	-	56.77	-	-	<0.050	<0.070	<0.060	<0.15	93	<0.050	0.49 J	2	2.6 J	<23	<57	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	01/29/2021	-	56.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/05/2021	-	55.80	-	-	<0.050	<0.070	<0.060	<0.15	78	<0.050	0.47 J	1.8	3.3 J	100	<59	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	05/11/2021	-	53.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2021	-	53.74	-	-	<0.050	<0.070	<0.060	<0.15	59	<0.050	0.39 J	1.4	<1.1	85	<56	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	08/09/2021	-	55.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/16/2021	-	55.53	-	-	<0.050	<0.070	<0.060	<0.15	59	<0.050	0.36 J	1.4	<1.1	67	69 J	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	11/09/2021	-	56.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/15/2021	-	-	-	-	<0.050	<0.070	<0.060	<0.15	57	<0.050	0.38 J	1.4	<1.1	60	<57	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	02/22/2022	-	57.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	03/03/2022	-	57.27	-	-	<0.050	<0.070	<0.060	<0.15	44	<0.050	0.30 J	0.97	<1.1	55	<56	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	05/10/2022	-	55.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/12/2022	-	55.77	-	-	<0.050	<0.070	<0.060	<0.15	46	<0.050	0.32 J	1.0	<1.1	55	<57	<0.070	<0.10	<0.060	<0.10	<0.060
1608R	08/02/2022	-	54.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2022	-	55.40	-	-	<0.10	<0.080	<0.080	<0.070	39	<0.080	0.26 J	0.89	<3.0	27 J	<57	<0.10	<0.10	<0.080	<0.10	<0.080

Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5	
1608R	08/21/2018	<0.5	<0.5	<0.5	<0.5	<0.5	1 J	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1608R	11/07/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2018	<0.5	<0.5	<0.5	<0.5	<0.5	<0.9	<0.5	<0.9	<0.5	<0.9	<0.5	<0.5	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<6.0	<0.5
1608R	02/04/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/06/2019	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.2	<0.1
1608R	05/06/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/09/2019	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.2	<0.1
1608R	08/26/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2019	0.06 J	<0.05	<0.05	<0.05	<0.05	<0.09	<0.05	<0.09	<0.05	<0.09	<0.05	<0.05	<0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.8	<0.05
1608R	11/05/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/08/2019	0.05 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	02/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/11/2020	0.06 J	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	04/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/04/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	07/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/03/2020	<0.05	<0.06	<0.06	<0.07	<0.05	<0.06	<0.06	<0.07	<0.09	<0.06	<0.05	<0.05	<0.05	<0.06	<0.05	<0.06	<0.07	<0.06	<0.06	<2.0	<0.06
1608R	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/09/2020	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	01/29/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	02/05/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	05/11/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/18/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	08/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/16/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	11/09/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	11/15/2021	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	02/22/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	03/03/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	05/10/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	05/12/2022	<0.050	<0.060	<0.060	<0.070	<0.050	<0.060	<0.060	<0.070	<0.090	<0.060	<0.050	<0.050	<0.050	<0.060	<0.050	<0.060	<0.070	<0.060	<0.060	<2.0	<0.060
1608R	08/02/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1608R	08/29/2022	<0.070	<0.10	<0.080	<0.080	<0.080	<0.10	<0.070	<0.10	<0.090	<0.10	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.080	<0.20	<2.0	<0.080	

Notes:

* GW Cleanup Standards are the Maryland Department of the Environment (MDE) Groundwater Clean-up Standards for Type I and II Aquifers



Table 1

HISTORICAL GROUNDWATER DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	2-Chlorotoluene (ug/L)	Bromodichloromethane (ug/L)	Carbon Disulfide (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)
GW Clean-up Standard		5	5	6	NL	80	81	100	2100	80	19	70	45	NL	NL	NL	NL	NL	5	NL	5

2018

- In Third Quarter 2020, recovery well RW-4 was converted back to a potable well for the 1608 Rayville Rd. residence.
- During this gauging event, MW-23 was inaccessible and therefore not gauged.
- (-) = No data available.
- <# = result less than the method detection limit
- µg/L = Micrograms per liter
- BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylene. Total BTEX is a sum of detected concentrations, including estimated concentrations (identified with a "J").
- DRY = No water for sampling
- MTBE = Methyl Tertiary Butyl Ether
- TPH-DRO = Total-petroleum hydrocarbons-diesel range organics
- TPH-GRO = Total-petroleum hydrocarbons-gasoline range organics
- NL = No Limit (screening)
- J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.
- B = Compound detected in the laboratory blank and sample.
- NA = Not Accessible



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1500-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	NT
1506-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	NT
1510-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	NT
1523-RAY-INF	11/04/2005	<0.5	<0.5	<0.5	<0.5	0.6	<10	<0.5	<0.5	<0.5	NT	NT
1529-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	11/03/2005	<100	<100	<100	<100	2,670	<2,000	<100	-	<100	NT	NT
1606-RAY-INF	11/14/2005	<100	<100	<100	<100	2,250	<2,000	<100	-	<100	NT	NT
1606-RAY-INF	03/13/2006	<0.5	<0.7	<0.8	<0.8	160	-	-	-	-	NT	NT
1606-RAY-INF	04/20/2006	<50	<50	<50	<50	2,860	<1,000	57	-	<50	NT	NT
1606-RAY-INF	05/12/2006	6.4 J	<2	<2	6.2 J	3,800	740	95	<2	15	NT	NT
1606-RAY-INF	06/14/2006	7.8 J	<5	<5	6.3 J	3,200	740 J	77	<5	13 J	NT	NT
1606-RAY-INF	07/18/2006	13	0.1 J	<0.1	122.3	3,700	1,300	98	<0.1	20	NT	NT
1606-RAY-INF	08/10/2006	17	0.1 J	<0.1	162.9	5,600	1,200 J	150	0.2 J	22	NT	NT
1606-RAY-INF	09/14/2006	14	0.1 J	<0.1	152.6	5,100	1,000	140 J	0.2 J	25	NT	NT
1606-RAY-INF	10/19/2006	16	0.2 J	<0.1	162.1	5,900	1,500	160	0.2 J	22	NT	NT
1606-RAY-INF	11/27/2006	13	<0.5	<0.5	14	6,000	1,600	160	<0.5	<0.5	NT	NT
1606-RAY-INF	12/21/2006	9	<0.5	<0.5	10	4,900	1,400	120 J	<0.5	21	NT	NT
1606-RAY-INF	01/18/2007	<0.5	<0.5	<0.5	<1.0	390	58 J	9.3	<0.5	2 J	NT	NT
1606-RAY-INF	02/27/2007	<0.1	<0.1	<0.1	<0.2	570	56	16	<0.1	7.9	NT	NT
1606-RAY-INF	03/21/2007	<1	<1	<1	<2.0	1,800	89 J	34	<1	9.9	NT	NT
1606-RAY-INF	04/23/2007	<5	<5	<5	<10	2,200	<250	41	<5	10 J	NT	NT
1606-RAY-INF	05/24/2007	<2.50	<2.50	<2.50	<5	3,100	<130	48	<2.50	10 J	NT	NT
1606-RAY-INF	06/19/2007	<0.3	<0.3	<0.3	<0.5	5,100	130	120	<0.3	21	NT	NT
1606-RAY-INF	07/18/2007	1.2 J	5.3	<0.3	0.8 J	6,300	440	120 J	<0.3	24	NT	NT
1606-RAY-INF	08/07/2007	2.4	<0.3	<0.3	2.5	5,800	650	140 J	<0.3	23	NT	NT
1606-RAY-INF	09/10/2007	2.9	<0.5	<0.5	2.7	6,700	1,100	150 J	<0.5	26	NT	NT
1606-RAY-INF	10/10/2007	4.3	<0.5	<0.5	3.5	7,400	1,300	160 J	<0.5	31	NT	NT
1606-RAY-INF	11/05/2007	4.0	<0.5	<0.5	3.1	10,000	1,200	150	<0.5	31	NT	NT
1606-RAY-INF	12/05/2007	5.4	<0.5	<0.5	4.3	7,900	1,500	180 J	<0.5	34	NT	NT
1606-RAY-INF	01/17/2008	6.4	<0.5	<0.5	6.1	7,600	1,000	240 J	<0.5	30	NT	NT
1606-RAY-INF	02/20/2008	6.8	<0.5	<0.5	5.8	9,900	1,800	190 J	<0.5	34	NT	NT
1606-RAY-INF	03/20/2008	5.6	<0.5	<0.5	4.2	8,100	1,700	220	<0.5	37	NT	NT
1606-RAY-INF	04/22/2008	<0.1	<0.1	<0.1	<0.1	680	15 J	19	<0.1	3.8	NT	NT
1606-RAY-INF	05/13/2008	<0.1	<0.1	<0.1	<0.1	110	<5	1.5	<0.1	0.8	NT	NT
1606-RAY-INF	06/19/2008	<0.1	<0.1	<0.1	<0.2	100	<5	0.6	<0.1	1.7	NT	NT
1606-RAY-INF	07/22/2008	<2	<2	<2	<4	5,900	210 J	110	<2	17	NT	NT
1606-RAY-INF	08/13/2008	<0.5	<0.5	<0.5	<1.0	7,200	430	130 J	<0.5	21	NT	NT
1606-RAY-INF	09/24/2008	<5	<5	<5	<10	8,500	1,100 J	170	<5	29	NT	NT
1606-RAY-INF	10/16/2008	<5	<5	<5	<10	9,500	1,300	190	<5	30	NT	NT
1606-RAY-INF	11/18/2008	<5	<5	<5	<10	9,800	1,600	190	<5	34	NT	NT
1606-RAY-INF	12/16/2008	<5	<5	<5	<10	11,000	1,500	210	<5	34	NT	NT
1606-RAY-INF	01/16/2009	<5	<5	<5	<10	5,000	320 J	97	<5	18 J	NT	NT
1606-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	3,370	76.3	56.3	<0.500	12.3	NT	NT
1606-RAY-INF	03/11/2009	<0.500	<0.500	<0.500	<0.500	3,570	82.8	39.7	<0.500	15.3	NT	NT
1606-RAY-INF	04/24/2009	<0.500	<0.500	<0.500	<0.500	9,180	124	80.2	<0.500	18.8	NT	NT
1606-RAY-INF	05/18/2009	<0.500	<0.500	<0.500	<0.500	11,700	196	70.9	<0.500	17.1	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	05/29/2009	<0.500	<0.500	<0.500	<0.500	2,080	71.6	19.5	<0.500	7.41	NT	NT
1606-RAY-INF	06/15/2009	<1.00	<1.00	<1.00	<1.00	1,280	42.3	15.7	<1.00	10.3	NT	NT
1606-RAY-INF	07/14/2009	16.8	<0.5	<0.5	10.1	9,790	1,960	252	<0.5	51.4	NT	NT
1606-RAY-INF	08/17/2009	<0.500	<0.500	<0.500	<0.500	5,610	878	95.8	<0.500	30.9	NT	NT
1606-RAY-INF	09/21/2009	0.620	<0.500	<0.500	<0.500	8,440	1,320	170	<0.500	32.1	NT	NT
1606-RAY-INF	10/23/2009	0.8	<0.500	<0.500	<0.500	10,900	1,240	212	<0.500	32.6	NT	NT
1606-RAY-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	656	5.92	8.56	<0.500	2.16	NT	NT
1606-RAY-INF	12/17/2009	<0.500	<0.500	<0.500	<0.500	26.3	<2.50	<0.500	<0.500	0.61	NT	NT
1606-RAY-INF	01/19/2010	<0.500	<0.500	<0.500	<0.500	86	<2.50	<0.500	<0.500	2.45	NT	NT
1606-RAY-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	3,490	17.1	45.9	<0.500	8.97	NT	NT
1606-RAY-INF	03/18/2010	<0.500	<0.500	<0.500	<0.500	398	<2.50	3.99	<0.500	2.46	NT	NT
1606-RAY-INF	04/19/2010	<0.500	<0.500	<0.500	<0.500	4,900	<2.50	62.5	<0.500	13.2	NT	NT
1606-RAY-INF	05/17/2010	<0.500	<0.500	<0.500	<0.500	4,490	2,060	50.1	<0.500	15.4	NT	NT
1606-RAY-INF	06/14/2010	<0.500	<0.500	<0.500	<0.500	4,960	351	64	<0.500	15.7	NT	NT
1606-RAY-INF	07/21/2010	1.08	59.9	<0.500	0.600	5,260	349	56.3	<0.500	15.8	NT	NT
1606-RAY-INF	08/18/2010	<0.500	3.52	<0.500	<0.500	8,990	592	79.8	<0.500	19.2	NT	NT
1606-RAY-INF	09/24/2010	<0.500	0.600	<0.500	<0.500	5,290	1,300	72.2	<0.500	21.1	NT	NT
1606-RAY-INF	10/15/2010	<0.500	0.780	<0.500	<0.500	4,840	712	89.3	<0.500	19.7	NT	NT
1606-RAY-INF	11/12/2010	0.830	1.37	<0.500	0.550	8,030	2,620	286	<0.500	26.8	NT	NT
1606-RAY-INF	12/15/2010	1.39	0.740	<0.500	0.67	14,800	1,630	158	<0.500	22.7	NT	NT
1606-RAY-INF	01/20/2011	<0.500	<0.500	<0.500	<0.500	8,510	1,180	132	<0.500	26.7	NT	NT
1606-RAY-INF	02/14/2011	<0.500	<0.500	<0.500	<0.500	10,300	2,510	232	<0.500	<0.500	NT	NT
1606-RAY-INF	03/18/2011	<0.500	<0.500	<0.500	<0.500	306	<2.50	7.40	<0.500	1.13	NT	NT
1606-RAY-INF	04/19/2011	<0.500	<0.500	<0.500	<0.500	32.7	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	11.3	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	06/24/2011	<0.50	<0.50	<0.50	<0.50	918	24.6	12.8	<0.50	4.48	NT	NT
1606-RAY-INF	07/19/2011	<0.50	<0.50	<0.50	<0.50	1,170	68.7	28.1	<0.50	5.99	NT	NT
1606-RAY-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	1,830	98.2	33.8	<0.50	6.79	NT	NT
1606-RAY-INF	09/29/2011	<0.50	<0.50	<0.50	<0.50	165	7.75	2.13	<0.50	<0.50	NT	NT
1606-RAY-INF	10/20/2011	<0.50	<0.50	<0.50	<0.50	1,150	13.9	17.5	<0.50	4.10	NT	NT
1606-RAY-INF	11/21/2011	<0.50	<0.50	<0.50	<0.50	986	15.5	19.8	<0.50	4.12	NT	NT
1606-RAY-INF	12/19/2011	<0.50	<0.50	<0.50	<0.50	8.3	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	01/26/2012	<0.50	<0.50	<0.50	<0.50	5.89	<2.50	<0.50	<0.50	0.54	NT	NT
1606-RAY-INF	02/23/2012	<0.50	<0.50	<0.50	<0.50	3.15	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	03/23/2012	<0.50	<0.50	<0.50	<0.50	6.27	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	04/26/2012	<0.50	<0.50	<0.50	<0.50	5.43	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	05/17/2012	<0.50	<0.50	<0.50	<0.50	61.7	<2.50	<0.50	<0.50	1.27	NT	NT
1606-RAY-INF	06/26/2012	<0.50	<0.50	<0.50	<0.50	203	5.14	1.71	<0.50	<0.50	NT	NT
1606-RAY-INF	07/25/2012	<0.50	<0.50	<0.50	<0.50	414	23	4.86	<0.50	3.02	NT	NT
1606-RAY-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	364	28.8	7.95	<0.500	3.21	NT	NT
1606-RAY-INF	09/24/2012	<0.500	<0.500	<0.500	<0.500	350 QK	29.9	6.91	<0.500	1.85	NT	NT
1606-RAY-INF	10/24/2012	<0.500	<0.500	<0.500	<0.500	496	39.4	14.4	<0.500	<0.500	NT	NT
1606-RAY-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	10.1	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	12/20/2012	<0.500	<0.500	<0.500	<0.500	7.17	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	01/22/2013	<0.500	<0.500	<0.500	<0.500	13.8	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	6.20	<2.50	<0.500	<0.500	<0.500	NT	NT



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Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	03/26/2013	<0.500	<0.500	<0.500	<0.500	1.58	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	04/23/2013	<0.500	<0.500	<0.500	<0.500	0.630	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	4.48	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	06/27/2013	<0.500	<0.500	<0.500	<0.500	35.7	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	07/25/2013	<0.500	<0.500	<0.500	<0.500	28.3	<2.50	<0.500	<0.500	0.940	NT	NT
1606-RAY-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	32.1	<2.50	<0.500	<0.500	0.720	NT	NT
1606-RAY-INF	09/20/2013	<0.500	<0.500	<0.500	<0.500	30.8	<2.50	<0.500	<0.500	0.630	NT	NT
1606-RAY-INF	10/23/2013	<0.500	<0.500	<0.500	<1.00	15.6	<2.50	<0.500	<0.500	0.560	<0.5	<0.5
1606-RAY-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	7.76	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	12/06/2013	<0.500	<0.500	<0.500	<1.00	16.9	<2.50	<0.500	<0.500	0.57	<0.5 2e	<0.5
1606-RAY-INF	01/06/2014	<0.500	<0.500	<0.500	<1.00	1.5	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	02/27/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	03/11/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	04/21/2014	<0.500	<0.500	<0.500	<1.00	0.76	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1606-RAY-INF	05/08/2014	<0.500	<0.500	<0.500	<1.00	0.86	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	06/09/2014	<0.500	<0.500	<0.500	<1.00	16	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	07/10/2014	<0.500	<0.500	<0.500	<1.00	7.34	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	08/27/2014	<0.500	<0.500	<0.500	<1.00	9.82	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	09/18/2014	<0.500	<0.500	<0.500	<1.00	12.2	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	10/31/2014	<0.500	<0.500	<0.500	<1.00	18.2	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	12/18/2014	<0.500	<0.500	<0.500	<1.00	26.7	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	01/14/2015	<0.500	<0.500	<0.500	<1.00	26.6	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	02/16/2015	<0.1	<0.1	<0.1	<0.1	32	<2.50	0.3 J	<0.1	0.5	<0.2	<0.1
1606-RAY-INF	03/19/2015	<0.1	<0.1	<0.1	<0.1	16	<2.50	0.1 J	<0.1	0.4 J	<0.2	<0.1
1606-RAY-INF	04/08/2015	<0.1	<0.1	<0.1	<0.1	11	<2.50	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	6.3	<2.50	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	11	<2.50	<0.1	<0.1	0.3 J	<0.2	<0.1
1606-RAY-INF	08/11/2015	<0.1	<0.1	<0.1	<0.1	15	3.3 J	0.2 J	<0.1	0.3 J	<0.2	<0.1
1606-RAY-INF	11/03/2015	<0.1	<0.1	<0.1	<0.1	6.2	3.8 J	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	02/10/2016	<0.1	<0.1	<0.1	<0.1	5.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	4.5	<2.6	<0.1	<0.1	0.1 J	<0.2	<0.1
1606-RAY-INF	08/02/2016	<0.1	<0.1	<0.1	<0.3	6.9	<2.50	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	11/09/2016	<0.1	<0.1	<0.1	<0.1	9.1	<2.50	0.1 J	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	12	<2.50	0.1 J	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	7.6	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	08/01/2017	<0.1	<0.1	<0.1	<0.1	2.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	11/07/2017	<0.1	<0.1	<0.1	<0.1	5.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	02/13/2018	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	6.6	1.1 J	0.15 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	NA
1606-RAY-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	22	<2.5	0.3 J	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	08/21/2018	<0.1	<0.1	<0.1	<0.1	2.2	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	11/06/2018	<0.1	<0.1	<0.1	<0.1	2.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	02/05/2019	<0.1	<0.1	<0.1	<0.1	1.9	2.7 J	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	05/08/2019	<0.1	<0.1	<0.1	<0.1	2.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	08/27/2019	<0.1	<0.1	<0.1	<0.3	1.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	11/05/2019	<0.1	<0.1	<0.1	<0.3	1.5	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	02/05/2020	<0.1	<0.1	<0.1	<0.3	2.2	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

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Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	06/23/2020	<0.1	<0.1	<0.1	<0.1	1.3	<2.5	<0.1	<0.1	<0.1	<0.2	0.12 J
1606-RAY-INF	09/01/2020	<0.1	<0.1	<0.1	<0.1	1.4	<2.5	<0.1	<0.1	<0.1	<0.2	0.12 J
1606-RAY-INF	11/04/2020	<0.10	<0.10	<0.10	<0.10	1.5	<2.5	<0.10	<0.10	<0.10	<0.20	0.12 J
1606-RAY-INF	02/03/2021	<0.10	<0.10	<0.10	<0.10	1.7	<2.5	<0.10	<0.10	<0.10	<0.20	0.14 J
1606-RAY-INF	05/12/2021	<0.10	<0.10	<0.10	<0.10	0.92	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-INF	08/10/2021	<0.10	<0.10	<0.10	<0.10	1.0	<2.5	<0.10	<0.10	<0.10	<0.20	0.11 J
1606-RAY-INF	11/09/2021	<0.10	<0.10	<0.10	<0.10	1.3	<2.5	<0.10	<0.10	<0.10	<0.20	0.13 J
1606-RAY-INF	02/22/2022	<0.10	<0.10	<0.10	<0.10	1.4	<2.5	<0.10	<0.10	<0.10	<0.20	0.13 J
1606-RAY-INF	05/10/2022	<0.10	<0.10	<0.10	<0.10	0.83	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-INF	08/25/2022	<0.10	<0.10	<0.10	<0.10	1.1	<2.5	<0.10	<0.10	<0.10	<0.20	0.11 J
1608-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	851	18	22	-	4.4	NT	NT
1608-RAY-INF	11/14/2005	<25	<25	<25	<25	900	<500	<25	-	<25	NT	NT
1608-RAY-INF	03/13/2006	3 J	<0.7	<0.8	2 J	1,400	-	-	-	-	NT	NT
1608-RAY-INF	04/20/2006	<25	<25	<25	<25	1,500	<500	35	-	<25	NT	NT
1608-RAY-INF	05/12/2006	<1	<1	<1	<2	1,600	120 J	44	<1	6.2	NT	NT
1608-RAY-INF	06/14/2006	2.6 J	<2.50	<2.50	<5	1,400	200 J	38	<2.50	6 J	NT	NT
1608-RAY-INF	07/18/2006	5	<0.1	<0.1	4.2	1,500	340	47	<0.1	8.7	NT	NT
1608-RAY-INF	08/10/2006	7.4	<0.1	<0.1	7.2	2,300	370	65	<0.1	9.2	NT	NT
1608-RAY-INF	09/14/2006	6.1	<0.1	<0.1	6.3	2,100	390	63	<0.1	10	NT	NT
1608-RAY-INF	10/19/2006	8.8	<0.1	<0.1	8.6	2,500	390	67	<0.1	12	NT	NT
1608-RAY-INF	11/27/2006	8.9	<0.5	<0.5	8.9	2,300	540	69	<0.5	10	NT	NT
1608-RAY-INF	12/21/2006	4.7	<0.3	<0.3	5	2,300	520	64 J	<0.3	11	NT	NT
1608-RAY-INF	01/18/2007	10	<0.5	<0.5	9.4	2,800	640	79	<0.5	12	NT	NT
1608-RAY-INF	02/27/2007	13	<0.5	<0.5	9.7	3,300	930	110	<0.5	19	NT	NT
1608-RAY-INF	03/21/2007	10 J	<2.50	<2.50	6.4 J	4,800	1,000	95	<2.50	16	NT	NT
1608-RAY-INF	04/23/2007	11 J	<5	<5	6.9 J	3,700	1,300	97	<5	16 J	NT	NT
1608-RAY-INF	05/24/2007	9.5 J	<5	<5	5.3 J	4,300	1,100 J	91	<5	16 J	NT	NT
1608-RAY-INF	06/19/2007	12	<0.3	<0.3	9.3	5,200	1,000	130	<0.3	22	NT	NT
1608-RAY-INF	07/18/2007	12	<0.3	<0.3	8.3	6,600	1,100	150 J	<0.3	22	NT	NT
1608-RAY-INF	08/07/2007	9.9	<0.3	<0.3	8.6	4,600	940	130 J	<0.3	19	NT	NT
1608-RAY-INF	09/10/2007	14	<0.5	<0.5	10	4,800	1,300	120 J	<0.5	24	NT	NT
1608-RAY-INF	10/10/2007	11	<0.5	<0.5	7.5	5,200	1,100	130 J	<0.5	24	NT	NT
1608-RAY-INF	11/05/2007	9.9	<0.5	<0.5	6.9	5,100	900	120	<0.5	23	NT	NT
1608-RAY-INF	12/05/2007	12	<0.5	<0.5	7.8	5,300	1,400	110 J	<0.5	27	NT	NT
1608-RAY-INF	01/17/2008	8.3	<0.5	<0.5	6.9	6,600	740	230 J	<0.5	20	NT	NT
1608-RAY-INF	02/20/2008	9.4	<0.5	<0.5	6.6	6,100	1,200	130 J	<0.5	22	NT	NT
1608-RAY-INF	03/20/2008	11	<0.5	<0.5	6.6	5,200	1,200	120	<0.5	26	NT	NT
1608-RAY-INF	04/22/2008	14	<0.5	<0.5	10	6,000	1,400	140 J	<0.5	29	NT	NT
1608-RAY-INF	05/13/2008	17 J	<5	<5	11 J	6,900	1,200 J	200	<0.5	26	NT	NT
1608-RAY-INF	06/19/2008	11 J	<10	<10	<20	6,900	1,700 J	150	<10	23 J	NT	NT
1608-RAY-INF	07/22/2008	14 J	<5	<5	7.0 J	7,600	1,500	200	<5	33	NT	NT
1608-RAY-INF	08/13/2008	12	<0.5	<0.5	9.3	7,500	1,400	170 J	<0.5	27	NT	NT
1608-RAY-INF	09/24/2008	14 J	<5	<5	8.7 J	8,000	1,700	200	<5	34	NT	NT
1608-RAY-INF	10/16/2008	15 J	<5	<5	11 J	9,100	1,600	220	<5	33	NT	NT
1608-RAY-INF	11/18/2008	13 J	<5	<5	6.6 J	8,500	1,700	200	<5	37	NT	NT
1608-RAY-INF	12/16/2008	13 J	<5.0	<5.0	7.2 J	9,500	1,600	220	<5.0	37	NT	NT



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-INF	01/16/2009	17 J	<5	<5	9.2 J	9,700	2,000	230	<5	40	NT	NT
1608-RAY-INF	02/09/2009	18.9	<0.500	<0.500	13.0	11,600	2,160	268	<0.500	44.9	NT	NT
1608-RAY-INF	03/11/2009	20.1	<0.500	<0.500	11.1	11,800	2,490	220	<0.500	53.8	NT	NT
1608-RAY-INF	04/24/2009	16.3	<0.500	<0.500	10.9	21,200	3,390	418	<0.500	44.4	NT	NT
1608-RAY-INF	05/18/2009	22.1	<0.500	<0.500	14.2	25,200	11,900	1,130	<0.500	61.2	NT	NT
1608-RAY-INF	06/15/2009	27.0	<1.00	<1.00	17.9	10,700	3,100	260	<1.00	66.9	NT	NT
1608-RAY-INF	07/14/2009	1.69	<0.500	<0.500	1.28	6,540	857	126	<0.500	28.0	NT	NT
1608-RAY-INF	08/17/2009	1.03	<0.500	<0.500	1.97	6,050	1,070	119	<0.500	39.9	NT	NT
1608-RAY-INF	09/21/2009	11.0	<0.500	<0.500	6.99	8,330	2,460	253	<0.500	42.4	NT	NT
1608-RAY-INF	10/23/2009	9.33	<0.500	<0.500	6.22	11,800	1,490	299	<0.500	40.6	NT	NT
1608-RAY-INF	11/23/2009	16.8	<0.500	<0.500	11.2	13,700	1,450	338	<0.500	38.5	NT	NT
1608-RAY-INF	12/17/2009	13.5	<0.500	<0.500	8.61	11,700	3,790	326	<0.500	45.2	NT	NT
1608-RAY-INF	01/19/2010	15.3	<0.500	<0.500	8.76	9,050	2,070	241	<0.500	40.1	NT	NT
1608-RAY-INF	02/16/2010	9.73	<0.500	<0.500	6.14	10,300	1,880	268	<0.500	29.4	NT	NT
1608-RAY-INF	03/18/2010	12	<0.500	<0.500	7.75	10,700	1,960	228	<0.500	39.2	NT	NT
1608-RAY-INF	04/19/2010	12.9	<0.500	<0.500	7.92	8,270	1,720	210	<0.500	41.4	NT	NT
1608-RAY-INF	05/17/2010	6.21	<0.500	<0.500	3.27	8,700	3,900	102	<0.500	29.1	NT	NT
1608-RAY-INF	06/14/2010	8.08	<0.500	<0.500	5.07	10,000	923	145	<0.500	33.4	NT	NT
1608-RAY-INF	07/21/2010	7.63	<0.500	<0.500	4.29	7,510	976	104	<0.500	27.2	NT	NT
1608-RAY-INF	08/18/2010	7.72	<0.500	<0.500	3.91	8,640	1,680	130	<0.500	30.2	NT	NT
1608-RAY-INF	09/24/2010	7.90	<0.500	<0.500	4.37	7,980	2,690	149	<0.500	35.6	NT	NT
1608-RAY-INF	10/15/2010	7.39	<0.500	<0.500	4.04	6,680	962	149	<0.500	31.4	NT	NT
1608-RAY-INF	11/12/2010	7.62	<0.500	<0.500	4.32	10,500	3,650	399	<0.500	36.9	NT	NT
1608-RAY-INF	12/15/2010	7.95	<0.500	<0.500	3.52	18,400	2,330	222	<0.500	32.3	NT	NT
1608-RAY-INF	01/20/2011	8.70	<0.500	<0.500	6.62	10,100	2,010	199	<0.500	37.6	NT	NT
1608-RAY-INF	02/14/2011	6.13	<0.500	<0.500	2.21	14,800	3,960	347	<0.500	30.0	NT	NT
1608-RAY-INF	03/18/2011	6.53	<0.500	<0.500	3.74	10,400	485	188	<0.500	19.3	NT	NT
1608-RAY-INF	04/19/2011	6.07	<0.500	<0.500	3.26	21,300	1,700	283	<0.500	43.1	NT	NT
1608-RAY-INF	05/23/2011	4.41	<0.500	<0.500	2.27	1,310	488	149 L1	<0.500	<0.500	NT	NT
1608-RAY-INF	06/24/2011	4.41	<0.50	<0.50	2.36	6,580	1,790	179	<0.50	30.7	NT	NT
1608-RAY-INF	07/19/2011	1.83	<0.50	<0.50	1.46	6,680	1,550	132	<0.50	26.9	NT	NT
1608-RAY-INF	08/23/2011	2.27	<0.50	<0.50	0.96	6,010	2,570	276	<0.50	23.1	NT	NT
1608-RAY-INF	09/29/2011	4.00	<0.5	<0.5	2.02	6,170	3,110	130	<0.5	25.7	NT	NT
1608-RAY-INF	10/20/2011	2.93	<0.50	<0.50	1.05	9,320	1,780	190	<0.50	27.2	NT	NT
1608-RAY-INF	11/21/2011	4.40	<0.50	<0.50	2.51	6,390	1,570	178	<0.50	29.7	NT	NT
1608-RAY-INF	12/19/2011	4.83	<0.50	<0.50	2.54	5,180	1,460	87	<0.50	27.9	NT	NT
1608-RAY-INF	01/26/2012	2.23	<0.50	<0.50	1.09	6,060	1,170	82	<0.50	33.4	NT	NT
1608-RAY-INF	02/23/2012	2.05	<0.50	<0.50	1.35	5,380	1,480	248	<0.50	23.6	NT	NT
1608-RAY-INF	03/23/2012	2.09	<0.50	<0.50	0.84	815	852	64	<0.50	21.1	NT	NT
1608-RAY-INF	04/26/2012	3.38	<0.50	<0.50	1.47	5,840	1,460	93.8	<0.50	20.2	NT	NT
1608-RAY-INF	05/17/2012	2.36	<0.50	<0.50	0.82	3,320	507	76.1	<0.50	15.9	NT	NT
1608-RAY-INF	06/26/2012	2.37	<0.50	<0.50	1.48	2,020	1,170	96.1	<0.50	15.0	NT	NT
1608-RAY-INF	07/25/2012	4.33	<0.50	<0.50	1.86	7,890	3,280	120.0	<0.50	27.6	NT	NT
1608-RAY-INF	08/28/2012	3.38	<0.500	<0.500	2.08	4,750	1,310	79.9	<0.500	19.2	NT	NT
1608-RAY-INF	09/24/2012	2.20	<0.500	<0.500	1.32	1,590	661 QK	50.6	<0.500	9.79	NT	NT
1608-RAY-INF	10/24/2012	2.73	<0.500	<0.500	1.59	4,120	1,210	129	<0.500	<0.500	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-INF	11/20/2012	3.35	<0.500	<0.500	1.50	4,680	1,470	116	<0.500	26.9	NT	NT
1608-RAY-INF	12/20/2012	3.95	<0.500	<0.500	<0.500	2,940	1,190 QK	84.8	<0.500	16.2	NT	NT
1608-RAY-INF	01/22/2013	2.92	<0.500	<0.500	2.02	4,770	1,410	132	<0.500	21.6	NT	NT
1608-RAY-INF	02/13/2013	3.73	<0.500	<0.500	1.94	2,900	2,080 QK	133 QK	<0.500	30.1	NT	NT
1608-RAY-INF	03/26/2013	5.27	<0.500	<0.500	3.37	3,770	1,760 QK	135 QK	<0.500	30.3	NT	NT
1608-RAY-INF	04/23/2013	3.09	<0.500	<0.500	1.83	4,630	2,360	94.3	<0.500	21.4	NT	NT
1608-RAY-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	2,860	1,270 QK	71.6	<0.500	22.3	NT	NT
1608-RAY-INF	06/27/2013	2.59	<0.500	<0.500	1.06	2,980	801	97	<0.500	20.8	NT	NT
1608-RAY-INF	07/25/2013	2.14	<0.500	<0.500	0.760	5,420	1,520	77.5	<0.500	21.6	NT	NT
1608-RAY-INF	08/22/2013	1.64	<0.500	<0.500	0.660	7,260	1,030	68.6	<0.500	14.9	NT	NT
1608-RAY-INF	09/20/2013	1.74	<0.500	<0.500	0.620	7,100	1,580	66.4	<0.500	15.2	NT	NT
1608-RAY-INF	10/23/2013	2.11	<0.500	<0.500	1.050	2,950	688	68.3	<0.500	14.3	NT	NT
1608-RAY-INF	11/13/2013	1.75	<0.500	<0.500	<1.00	2,730	660	58.2	<0.500	11.7	NT	NT
1608-RAY-INF	07/25/2014	1.93	<0.500	<0.500	<1.00	2,340	504	48.1	<0.500	10.4	NT	NT
1608-RAY-INF	08/27/2014	3.23	<0.500	<0.500	1.730	2,950	991	65.1	<0.500	<0.500	NT	NT
1608-RAY-INF	09/03/2014	0.96	<0.500	<0.500	<1.00	1,780	268	30.7	<0.500	<0.500	NT	NT
1608-RAY-INF	09/04/2014	1.73	<0.500	<0.500	<1.00	1,590	433	30.3	<0.500	<0.500	NT	NT
1608-RAY-INF	09/18/2014	<0.500	<0.500	<0.500	<1.00	1,680	97.3	42.5	<0.500	9.2	NT	NT
1608-RAY-INF	10/31/2014	0.70	<0.500	<0.500	<1.00	1,760	149.0	26.5	<0.500	6.63	NT	NT
1608-RAY-INF	11/25/2014	<0.500	<0.500	<0.500	<1.00	1,270	185.0	26.3	<0.500	6.62	NT	NT
1608-RAY-INF	12/17/2014	<0.500	<0.500	<0.500	<1.00	706	94.4	18.6	<0.500	5.14	NT	NT
1608-RAY-INF	07/29/2020	<0.1	45	<0.1	<0.1	4.4	<2.5	0.25 J	<0.1	<0.1	<0.2	<0.1
1608-RAY-INF	11/04/2020	<0.10	0.21 J	<0.10	<0.10	2.3	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	02/04/2021	<0.10	<0.10	<0.10	<0.10	3	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	05/12/2021	<0.10	<0.10	<0.10	<0.10	3.1	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	08/10/2021	<0.10	<0.10	<0.10	<0.10	0.80	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	11/12/2021	<0.10	<0.10	<0.10	<0.10	1.9	<2.5	<0.10	<0.10	0.12 J	<0.20	<0.10
1608-RAY-INF	02/23/2022	<0.10	<0.10	<0.10	<0.10	1.5	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	05/12/2022	<0.10	<0.10	<0.10	<0.10	1.7	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	08/29/2022	<0.10	<0.10	<0.10	<0.10	3.8	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	3.8	<10	<0.5	-	<0.5	NT	NT
1612-RAY-INF	03/30/2006	<0.1	<0.1	<0.1	<0.2	3.7	<5	<0.1	<0.1	<0.1	NT	NT
1612-RAY-INF	05/12/2006	<0.1	<0.1	<0.1	<0.2	4.4	<5	<0.1	<0.1	<0.1	NT	NT
1612-RAY-INF	06/14/2006	<0.1	<0.1	<0.1	<0.2	3.8	<5	<0.1	<0.1	<0.1	NT	NT
1612-RAY-INF	07/18/2006	0.2 J	<0.1	<0.1	<0.2	4.7	<5	0.1 J	<0.1	<0.1	NT	NT
1612-RAY-INF	08/10/2006	<0.1	<0.1	<0.1	<0.2	6.2	<5	0.1 J	<0.1	<0.1	NT	NT
1612-RAY-INF	09/14/2006	<0.1	<0.1	<0.1	<0.2	5.9	<5	0.1 J	<0.1	<0.1	NT	NT
1612-RAY-INF	10/19/2006	<0.1	<0.1	<0.1	<0.2	5.9	<5	0.1 J	<0.1	<0.1	NT	NT
1612-RAY-INF	11/27/2006	<0.1	<0.1	<0.1	<0.2	5.7	<5	0.1 J	<0.1	<0.1	NT	NT
1612-RAY-INF	12/21/2006	<0.1	<0.1	<0.1	<0.2	5.6	<5	0.1 J	<0.1	<0.1	NT	NT
1612-RAY-INF	01/18/2007	<0.1	<0.1	<0.1	<0.2	7.5	<5	0.2 J	<0.1	<0.1	NT	NT
1612-RAY-INF	02/27/2007	0.1 J	<0.1	<0.1	<0.2	7.4	<5	0.2 J	<0.1	<0.1	NT	NT
1612-RAY-INF	03/21/2007	<0.1	<0.1	<0.1	<0.2	8.1	<5	0.2 J	<0.1	<0.1	NT	NT
1612-RAY-INF	04/23/2007	<0.1	<0.1	<0.1	<0.2	11	<5	0.3 J	<0.1	0.1 J	NT	NT
1612-RAY-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	9.4	<5	0.2 J	<0.1	<0.1	NT	NT
1612-RAY-INF	06/19/2007	<0.1	<0.1	<0.1	<0.2	9.3	<5	0.2 J	<0.1	<0.1	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	07/18/2007	<0.1	<0.1	<0.1	<0.2	10	<5	0.2 J	<0.1	<0.1	NT	NT
1612-RAY-INF	08/07/2007	<0.1	<0.1	<0.1	<0.2	8.8	<5	0.2 J	<0.1	<0.1	NT	NT
1612-RAY-INF	09/10/2007	<0.1	<0.1	<0.1	<0.2	11	<5	0.3 J	<0.1	0.1 J	NT	NT
1612-RAY-INF	10/10/2007	<0.1	<0.1	<0.1	<0.2	13	<5	0.3 J	<0.1	0.1 J	NT	NT
1612-RAY-INF	11/05/2007	<0.1	<0.1	<0.1	<0.2	13	<5	0.4 J	<0.1	0.1 J	NT	NT
1612-RAY-INF	12/05/2007	<0.1	<0.1	<0.1	<0.2	16	<5	0.4	<0.1	0.2	NT	NT
1612-RAY-INF	01/17/2008	<0.1	<0.1	<0.1	<0.1	13	<5	0.5 J	<0.1	0.2 J	NT	NT
1612-RAY-INF	02/20/2008	0.1 J	<0.1	<0.1	<0.2	16	6.2 J	0.5 J	<0.1	0.2 J	NT	NT
1612-RAY-INF	03/20/2008	<0.1	<0.1	<0.1	<0.2	15	<5	0.4 J	<0.1	0.2 J	NT	NT
1612-RAY-INF	04/22/2008	<0.1	<0.1	<0.1	<0.1	16	9.5 J	0.5	<0.1	0.2 J	NT	NT
1612-RAY-INF	05/13/2008	0.4 J	<0.1	<0.1	0.1 J	26	7.7 J	1.1	<0.1	0.3 J	NT	NT
1612-RAY-INF	06/19/2008	0.1 J	<0.1	<0.1	<0.2	13	<5	0.4 J	<0.1	0.2 J	NT	NT
1612-RAY-INF	07/22/2008	<0.1	<0.1	<0.1	<0.2	15	<5	0.4 J	<0.1	0.2 J	NT	NT
1612-RAY-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	13	<5.0	0.3 J	<0.1	0.1 J	NT	NT
1612-RAY-INF	09/24/2008	<0.1	<0.1	<0.1	<0.2	19	<5	0.6	<0.1	0.2 J	NT	NT
1612-RAY-INF	10/16/2008	<0.1	<0.1	<0.1	<0.2	19	<5	0.7	<0.1	0.2 J	NT	NT
1612-RAY-INF	11/18/2008	<0.1	<0.1	<0.1	<0.2	21	<5	0.6	<0.1	0.3 J	NT	NT
1612-RAY-INF	12/16/2008	<0.1	<0.1	<0.1	<0.2	21	<5	0.7	<0.1	0.3 J	NT	NT
1612-RAY-INF	01/16/2009	0.2 J	<0.1	<0.1	<0.2	24	5.8 J	0.8	<0.1	0.3 J	NT	NT
1612-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	21.2	<2.50	0.81	<0.500	<0.500	NT	NT
1612-RAY-INF	03/11/2009	<0.500	<0.500	<0.500	<0.500	23.7	7.33	0.64	<0.500	<0.500	NT	NT
1612-RAY-INF	04/24/2009	<0.500	<0.500	<0.500	<0.500	26.2	7.05	0.900	<0.500	<0.500	NT	NT
1612-RAY-INF	05/18/2009	<0.500	<0.500	<0.500	<0.500	50.2	26.6	2.25	<0.500	<0.500	NT	NT
1612-RAY-INF	06/15/2009	<1.00	<1.00	<1.00	<1.00	32.6	<5.00	1.14	<1.00	<1.00	NT	NT
1612-RAY-INF	07/14/2009	<0.500	<0.500	<0.500	<0.500	21.7	9.26	0.740	<0.500	<0.500	NT	NT
1612-RAY-INF	08/17/2009	<0.500	<0.500 AE	<0.500 AE	<0.500 AE	17.4 AE	<2.50 AE	<0.500 AE	<0.500 AE	<0.500 AE	NT	NT
1612-RAY-INF	09/21/2009	<0.500	<0.500	<0.500	<0.500	25.9	4.14	0.960	<0.500	<0.500	NT	NT
1612-RAY-INF	10/23/2009	<0.500	<0.500	<0.500	<0.500	21.9	5.08	0.94	<0.500	<0.500	NT	NT
1612-RAY-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	25	9.09	1.04	<0.500	<0.500	NT	NT
1612-RAY-INF	12/17/2009	<0.500	<0.500	<0.500	<0.500	23.2	6.05	0.82	<0.500	<0.500	NT	NT
1612-RAY-INF	01/19/2010	<0.500	<0.500	<0.500	<0.500	12.2	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	13.2	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	03/18/2010	<0.500	<0.500	<0.500	<0.500	19.8	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	04/19/2010	<0.500	<0.500	<0.500	<0.500	11.0	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	05/17/2010	<0.500	<0.500	<0.500	<0.500	13.8	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	06/14/2010	<0.500	<0.500	<0.500	<0.500	18.7	<2.50	0.610	<0.500	<0.500	NT	NT
1612-RAY-INF	07/21/2010	<0.500	<0.500	<0.500	<0.500	22.2	<2.50	0.790	<0.500	<0.500	NT	NT
1612-RAY-INF	08/19/2010	<0.500	<0.500	<0.500	<0.500	27.9	7.80	0.920	<0.500	<0.500	NT	NT
1612-RAY-INF	09/24/2010	<0.500	<0.500	<0.500	<0.500	27.7	<2.50	0.890	<0.500	<0.500	NT	NT
1612-RAY-INF	10/15/2010	<0.500	<0.500	<0.500	<0.500	29.0	7.00	0.940	<0.500	<0.500	NT	NT
1612-RAY-INF	11/12/2010	<0.500	<0.500	<0.500	<0.500	36.4	9.42	1.17	<0.500	0.530	NT	NT
1612-RAY-INF	12/15/2010	<0.500	<0.500	<0.500	<0.500	38.2	4.48	1.06	<0.500	<0.500	NT	NT
1612-RAY-INF	01/20/2011	<0.500	<0.500	<0.500	<0.500	28.0	<2.50	0.960	<0.500	<0.500	NT	NT
1612-RAY-INF	02/14/2011	<0.500	<0.500	<0.500	<0.500	24.4	<2.50	0.930	<0.500	<0.500	NT	NT
1612-RAY-INF	03/18/2011	<0.500	<0.500	<0.500	<0.500	26.6	<2.50	1.42	<0.500	<0.500	NT	NT
1612-RAY-INF	04/19/2011	0.620	<0.500	<0.500	<0.500	67.2	8.68	2.32	<0.500	<0.500	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	30.6	<2.50	0.93	<0.500	<0.500	NT	NT
1612-RAY-INF	06/24/2011	<0.50	<0.50	<0.50	<0.50	25.2	<2.50	0.76	<0.50	<0.50	NT	NT
1612-RAY-INF	07/19/2011	<0.50	<0.50	<0.50	<0.50	40.2	<2.50	1.25	<0.50	<0.50	NT	NT
1612-RAY-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	20.3	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	09/29/2011	<0.50	<0.50	<0.50	<0.50	11.6	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	10/20/2011	<0.50	<0.50	<0.50	<0.50	15.0	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	11/21/2011	<0.50	<0.50	<0.50	<0.50	26.4	<2.50	0.85	<0.50	<0.50	NT	NT
1612-RAY-INF	12/19/2011	<0.50	<0.50	<0.50	<0.50	17	4.11	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	01/26/2012	<0.50	<0.50	<0.50	<0.50	17.6	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	02/23/2012	<0.50	<0.50	<0.50	<0.50	18.4	5.32	0.6	<0.50	<0.50	NT	NT
1612-RAY-INF	03/23/2012	<0.50	<0.50	<0.50	<0.50	15.7	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	04/26/2012	<0.50	<0.50	<0.50	<0.50	18.1	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	05/17/2012	<0.50	<0.50	<0.50	<0.50	15.2	4.47	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	06/26/2012	<0.50	<0.50	<0.50	<0.50	19.0	4.73	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	07/25/2012	<0.50	<0.50	<0.50	<0.50	28.7	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	15.4	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	09/24/2012	<0.500	<0.500	<0.500	<0.500	7.65	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	10/24/2012	<0.500	<0.500	<0.500	<0.500	18.8	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	20.1	<2.50	0.620	<0.500	<0.500	NT	NT
1612-RAY-INF	12/20/2012	<0.500	<0.500	<0.500	<0.500	12.6	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	01/22/2013	<0.500	<0.500	<0.500	<0.500	18.1	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	22.9	4.36	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	03/26/2013	<0.500	<0.500	<0.500	<0.500	12.9	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	04/23/2013	<0.500	<0.500	<0.500	<0.500	8.25	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	7.43	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	06/27/2013	<0.500	<0.500	<0.500	<0.500	9.48	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	07/25/2013	<0.500	<0.500	<0.500	<0.500	10.4	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	9.77	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	09/20/2013	<0.500	<0.500	<0.500	<0.500	8.86	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	10/23/2013	<0.500	<0.500	<0.500	<1.00	7.96	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	6.24	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	12/06/2013	<0.500	<0.500	<0.500	<1.00	5.27	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1612-RAY-INF	02/27/2014	<0.500	<0.500	<0.500	<1.00	12.9	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	07/25/2014	<0.500	<0.500	<0.500	<1.00	2.48	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	08/27/2014	<0.500	<0.500	<0.500	<1.00	1.79	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	09/18/2014	<0.500	<0.500	<0.500	<1.00	1.72	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	10/31/2014	<0.500	<0.500	<0.500	<1.00	2.06	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-INF	12/18/2014	<0.500	<0.500	<0.500	<1.00	1.83	<2.50	<0.500	<0.500	<0.500	<0.5	<0.1
1612-RAY-INF	01/29/2015	<0.1	<0.1	<0.1	<0.1	2.2	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/16/2015	<0.1	<0.1	<0.1	<0.1	1.8	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	03/19/2015	<0.1	<0.1	<0.1	<0.1	3.5	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	04/08/2015	<0.1	<0.1	<0.1	<0.1	1.2	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	2	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	08/11/2015	<0.1	<0.1	<0.1	<0.1	2	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/03/2015	<0.1	<0.1	<0.1	<0.1	1.4	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/10/2016	<0.1	<0.1	<0.1	<0.1	1.7	2.7 J	<0.1	<0.1	<0.1	<0.2	<0.1



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	1.3	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	08/02/2016	<0.1	<0.1	<0.1	<0.3	1.5	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/09/2016	<0.1	<0.1	<0.1	<0.1	1.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	1.4	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	05/04/2017	<0.1	<0.1	<0.1	<0.1	1.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.0
1612-RAY-INF	08/02/2017	<0.1	<0.1	<0.1	<0.1	0.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/13/2018	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.6	0.9 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	NA
1612-RAY-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.9	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	08/21/2018	<0.1	15	<0.1	<0.1	0.3 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/08/2018	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/05/2019	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	05/08/2019	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	09/26/2019	<0.1	<0.1	<0.1	<0.3	0.5	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/05/2019	<0.1	<0.1	<0.1	<0.3	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/05/2020	<0.1	<0.1	<0.1	<0.3	0.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	06/30/2020	<0.1	<0.1	<0.1	<0.1	0.31 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	09/01/2020	<0.1	<0.1	<0.1	<0.1	0.43 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/04/2020	<0.10	<0.10	<0.10	<0.10	0.40 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	02/05/2021	<0.10	<0.10	<0.10	<0.10	0.62	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	05/12/2021	<0.10	<0.10	<0.10	<0.10	0.33 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	08/11/2021	<0.10	<0.10	<0.10	<0.10	0.27 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	11/10/2021	<0.10	<0.10	<0.10	<0.10	0.39 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	02/23/2022	<0.10	<0.10	<0.10	<0.10	0.30 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	05/10/2022	<0.10	<0.10	<0.10	<0.10	0.31 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	08/25/2022	<0.10	<0.10	<0.10	<0.10	0.34 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1614-RAY-INF	03/13/2006	0.1 J	<0.1	<0.1	0.1 J	3.8	<5	0.2 J	<0.1	<0.1	NT	NT
1614-RAY-INF	05/12/2006	0.1 J	<0.1	<0.1	0.2 J	4.1	<5	0.3 J	<0.1	<0.1	NT	NT
1614-RAY-INF	08/10/2006	<0.1	<0.1	<0.1	0.1 J	4.1	<5	0.2 J	<0.1	<0.1	NT	NT
1614-RAY-INF	02/27/2007	<0.1	<0.1	<0.1	<0.2	2.6	<5	0.2 J	<0.1	<0.1	NT	NT
1614-RAY-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	3	<5	0.1 J	<0.1	<0.1	NT	NT
1614-RAY-INF	08/08/2007	<0.5	<0.5	<0.5	<0.5	2.6	<25	<0.5	<0.5	<0.5	NT	NT
1614-RAY-INF	11/07/2007	<0.1	<0.1	<0.1	<0.2	2.3	<5	0.1 J	<0.1	<0.1	NT	NT
1614-RAY-INF	02/20/2008	<0.1	<0.1	<0.1	<0.2	2.2	<5	0.1 J	<0.1	<0.1	NT	NT
1614-RAY-INF	05/14/2008	<0.1	<0.1	<0.1	<0.1	2	<5	0.1 J	<0.1	<0.1	NT	NT
1614-RAY-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	1.5	<5.0	<0.1	<0.1	<0.1	NT	NT
1614-RAY-INF	11/21/2008	<0.1	<0.1	<0.1	<0.2	2.0	<5	<0.1	<0.1	<0.1	NT	NT
1614-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	1.37	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	05/18/2009	<0.500	<0.500	<0.500	<0.500	2.37	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	08/17/2009	<0.500 AE	<0.500 AE	<0.500 AE	<0.500 AE	1.06 AE	<2.50 AE	<0.500 AE	<0.500 AE	<0.500 AE	NT	NT
1614-RAY-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	0.950	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	02/17/2010	<0.500	<0.500	<0.500	<0.500	1.02	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	1.95	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	08/27/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	11/12/2010	<0.500	<0.500	<0.500	<0.500	1.00 D1	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	02/16/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1614-RAY-INF	05/26/2011	<0.500	<0.500	<0.500	<0.500	1.70	<2.50	<0.500	<0.500	<0.500	<0.500	NT
1614-RAY-INF	08/24/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
1614-RAY-INF	11/20/2011	<0.500	<0.500	<0.500	<0.500	1.45	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	1.07	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1614-RAY-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1614-RAY-INF	05/09/2014	<0.500	<0.500	<0.500	<1.00	0.87	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1614-RAY-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1614-RAY-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	05/05/2016	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	11/09/2016	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	01/26/2017	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	05/09/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	11/08/2017	< 0.1	< 0.1	< 0.1	< 0.1	0.2 J	< 2.5	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1
1614-RAY-INF	02/13/2018	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	1.7 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	NA
1614-RAY-INF	06/14/2018	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	08/21/2018	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1614-RAY-INF	02/28/2019	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	1.8	<10	<0.5	-	<0.5	NT	NT
1616-RAY-INF	03/13/2006	<0.1	<0.1	<0.1	<0.2	2.3	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	08/10/2006	<0.1	<0.1	<0.1	<0.2	1.9	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	11/29/2006	<0.1	<0.1	<0.1	<0.2	1.4	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	02/27/2007	<0.1	<0.1	<0.1	<0.2	1.8	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	2	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	08/07/2007	<0.1	<0.1	<0.1	<0.2	1.3	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	11/05/2007	<0.1	<0.1	<0.1	<0.2	1.3	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	02/20/2008	<0.1	<0.1	<0.1	<0.2	1.3	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	05/13/2008	<0.1	<0.1	<0.1	<0.1	2	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	1.6	<5.0	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	11/18/2008	<0.1	<0.1	<0.1	<0.2	1.7	<5	<0.1	<0.1	<0.1	NT	NT
1616-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	1.75	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	05/18/2009	<0.500	<0.500	<0.500	<0.500	2.81	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	08/17/2009	<0.500 AE	<0.500 AE	<0.500 AE	<0.500 AE	1.34 AE	<2.50 AE	<0.500 AE	<0.500 AE	<0.500 AE	NT	NT
1616-RAY-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	1.27	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	1.47	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	1.41	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	08/19/2010	<0.500	<0.500	<0.500	<0.500	1.33	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	1.15	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	02/15/2011	<0.500	<0.500	<0.500	<0.500	1.31	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	1.88	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1616-RAY-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	1.47	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	1.25	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	0.720	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	0.99	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	1.09	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	06/27/2013	<0.500	<0.500	<0.500	<0.500	0.68	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	0.72	<2.50	<0.500	<0.500	<0.500	NT	NT
1616-RAY-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1616-RAY-INF	02/27/2014	<0.500	<0.500	<0.500	<1.00	0.50	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1616-RAY-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	0.66	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1616-RAY-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	0.80	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	11/20/2015	<0.1	<0.1	<0.1	<0.1	0.7	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	11/08/2016	<0.1	<0.1	<0.1	<0.3	0.6	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	0.7	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	0.5	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	0.5	NA	<0.11	<0.17	<0.11	<0.15	NA
1616-RAY-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1616-RAY-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1616 RAY-INF	02/28/2019	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	2.3	<10	<0.5	-	<0.5	NT	NT
1620-RAY-INF	03/13/2006	<0.1	<0.1	<0.1	<0.2	1.1	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	08/10/2006	<0.1	<0.1	<0.1	<0.2	2.3	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	11/29/2006	<0.1	<0.1	<0.1	<0.2	1.6	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	02/27/2007	<0.1	<0.1	<0.1	<0.2	0.9	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	1.2	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	08/07/2007	<0.1	<0.1	<0.1	<0.2	1.2	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	11/05/2007	<0.1	<0.1	<0.1	<0.2	1.4	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	02/20/2008	<0.1	<0.1	<0.1	<0.2	1.6	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	05/13/2008	<0.1	<0.1	<0.1	<0.1	1.4	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	1.0	<5.0	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	11/18/2008	<0.1	<0.1	<0.1	<0.2	1.1	<5	<0.1	<0.1	<0.1	NT	NT
1620-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	1.17	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	05/18/2009	<0.500	<0.500	<0.500	<0.500	1.88	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	08/17/2009	<0.500 AE	<0.500 AE	<0.500 AE	<0.500 AE	0.91 AE	<2.50 AE	<0.500 AE	<0.500 AE	<0.500 AE	NT	NT
1620-RAY-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	0.710	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	0.61	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	08/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	0.950	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	02/15/2011	<0.500	<0.500	<0.500	<0.500	0.780	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
1620-RAY-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT



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Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1620-RAY-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1620-RAY-INF	11/14/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1620-RAY-INF	05/08/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1620-RAY-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1620-RAY-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	11/08/2016	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	0.12 J	NA	<0.11	<0.17	<0.11	<0.15	NA
1620-RAY-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1620-RAY-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	0.7	<10	<0.5	-	<0.5	NT	NT
1624-RAY-INF	03/13/2006	<0.1	<0.1	<0.1	<0.2	0.6	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	08/24/2006	<0.1	<0.1	<0.1	<0.2	0.7	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	11/29/2006	<0.1	<0.1	<0.1	<0.2	0.8	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	0.7	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	08/07/2007	<0.1	<0.1	<0.1	<0.2	0.7	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	11/05/2007	<0.1	<0.1	<0.1	<0.2	0.9	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	02/20/2008	<0.1	3.6	<0.1	<0.2	1.7	<5	0.1 J	<0.1	<0.1	NT	NT
1624-RAY-INF	05/13/2008	<0.1	<0.1	<0.1	<0.1	1.8	<5	0.2 J	<0.1	<0.1	NT	NT
1624-RAY-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	0.8	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	11/18/2008	<0.1	<0.1	<0.1	<0.2	1.1	<5	<0.1	<0.1	<0.1	NT	NT
1624-RAY-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	1.23	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	05/18/2009	<0.500	<0.500	<0.500	<0.500	1.68	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	08/17/2009	<0.500 AE	<0.500 AE	<0.500 AE	<0.500 AE	0.63 AE	<2.50 AE	<0.500 AE	<0.500 AE	<0.500 AE	NT	NT
1624-RAY-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	0.880	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	08/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	02/15/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
1624-RAY-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1624-RAY-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1624-RAY-INF	11/14/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1624-RAY-INF	05/08/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1624-RAY-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1624-RAY-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	05/05/2016	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	11/08/2016	<0.1	<0.1	<0.1	<0.3	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	03/23/2018	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1624-RAY-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	07/21/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1717-RAY-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1717-RAY-INF	05/27/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1717-RAY-INF	11/22/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50 V4	<0.50
1717-RAY-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1717-RAY-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1717-RAY-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1717-RAY-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1717-RAY-INF	05/08/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1717-RAY-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1717-RAY-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	11/08/2016	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	<0.074	NA	<0.11	<0.17	<0.11	<0.15	NA
1717-RAY-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1717-RAY-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
9-ELLE-INF	11/09/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
2-HNDK-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
3-HNDK-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	1.5	<10	<0.5	<0.5	<0.5	NT	NT
4-HNDK-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
1801-LAUR-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	NT
19119-MDTN-INF	11/17/2005	<0.5	<0.5	<0.5	<0.5	1.9	<10	<0.5	-	<0.5	NT	NT



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
19119-MDTN-INF	02/11/2009	<0.500	<0.500	<0.500	<0.500	1.32	<2.50	<0.500	<0.500	<0.500	NT	NT
19119-MDTN-INF	05/27/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19119-MDTN-INF	03/23/2012	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
19119-MDTN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19119-MDTN-INF	11/19/2012	<0.500	69.8	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19119-MDTN-INF	01/29/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19119-MDTN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19119-MDTN-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19119-MDTN-INF	05/09/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19119-MDTN-INF	12/18/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19119-MDTN-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	11/03/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	11/09/2016	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	03/23/2018	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19119-MDTN-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	03/13/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19124-MDTN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	0.9	<5	<0.1	<0.1	<0.1	NT	NT
19124-MDTN-INF	02/12/2009	<0.500	<0.500	<0.500	<0.500	0.74	<2.50	<0.500	<0.500	<0.500	NT	NT
19124-MDTN-INF	11/21/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19124-MDTN-INF	11/21/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50 V4	<0.50
19124-MDTN-INF	05/18/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19124-MDTN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19124-MDTN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19124-MDTN-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19124-MDTN-INF	05/08/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19124-MDTN-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19124-MDTN-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	11/09/2016	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	0.14 J	NA	<0.11	<0.17	<0.11	<0.15	NA
19124-MDTN-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19124-MDTN-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	NT
19201-MDTN-INF	01/28/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19201-MDTN-INF	02/10/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
19201-MDTN-INF	12/15/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-MDTN-INF	05/25/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-MDTN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-MDTN-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-MDTN-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19201-MDTN-INF	05/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
19201-MDTN-INF	12/18/2014	<0.500	6.37	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19201-MDTN-INF	01/14/2015	<0.500	<0.500	<0.500	<1.00	<0.500	<2.500	<0.500	<0.500	<0.500	<0.5	<0.5
19201-MDTN-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	11/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	11/08/2016	<0.1	<0.1	<0.1	<0.3	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	01/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	11/07/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	03/30/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	08/21/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19201-MDTN-INF	02/06/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19205-MDTN-INF	11/02/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
19205-MDTN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19205-MDTN-INF	02/11/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	12/15/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	05/25/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-MDTN-INF	11/21/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19222-MDTN-INF	11/29/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19222-MDTN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19222-MDTN-INF	01/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19222-MDTN-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19222-MDTN-INF	12/20/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19222-MDTN-INF	05/08/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19222-MDTN-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
19222-MDTN-INF	06/23/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	11/08/2016	<0.1	<0.1	<0.1	<0.3	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	<0.074	NA	<0.11	<0.17	<0.11	<0.15	NA
19222-MDTN-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19222-MDTN-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
19222-MDTN-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
19223-MDTN-INF	12/01/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
19223-MDTN-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19229-MDTN-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	NT	<0.5	NT	NT
19235-MDTN-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	0.8	<10	<0.5	NT	<0.5	NT	NT
19239-MDTN-INF	11/15/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	NT	<0.5	NT	NT
19303-MDTN-INF	11/15/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	NT	<0.5	NT	NT
1614-PASR-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	NT	<0.5	NT	NT
1614-PASR-INF	08/24/2006	<0.1	<0.1	<0.1	<0.2	0.3 J	<5	<0.1	<0.1	<0.1	NT	NT
19328-RICH-INF	11/03/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
19200-SHAN-INF	10/19/2006	<0.1	<0.1	<0.1	<0.2	0.1 J	<5	<0.1	<0.1	<0.1	NT	NT
19201-SHAN-INF	08/10/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19201-SHAN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19201-SHAN-INF	02/10/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	01/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	06/14/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	05/18/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19201-SHAN-INF	11/14/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	09/13/2006	<0.1	<0.1	<0.1	<0.2	0.1 J	<5	<0.1	<0.1	<0.1	NT	NT
19203-SHAN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19203-SHAN-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	01/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19203-SHAN-INF	11/14/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	11/15/2005	<0.5	<0.5	<0.5	<0.5	1.4	<10	<0.5	-	<0.5	NT	NT
19205-SHAN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	0.7	<5	<0.1	<0.1	<0.1	NT	NT
19205-SHAN-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	03/24/2010	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	NT	NT
19205-SHAN-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	05/25/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	05/18/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19205-SHAN-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
19205-SHAN-INF	11/21/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	11/02/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	NT	NT
19207-SHAN-INF	12/05/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19207-SHAN-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19207-SHAN-INF	11/21/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19208-SHAN-INF	08/29/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19209-SHAN-INF	11/15/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	NT
19209-SHAN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	0.2 J	<5	<0.1	<0.1	<0.1	NT	NT
19209-SHAN-INF	02/11/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	11/23/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	05/17/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	05/24/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	11/22/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19209-SHAN-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	11/08/2005	<0.5	<0.5	<0.5	<0.5	0.8	<10	<0.5	-	<0.5	NT	NT
19211-SHAN-INF	12/20/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19211-SHAN-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	11/24/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	05/18/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19211-SHAN-INF	11/21/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	08/29/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19213-SHAN-INF	12/05/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19213-SHAN-INF	02/12/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	01/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	05/25/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	05/17/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	11/19/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
19213-SHAN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19213-SHAN-INF	11/14/2013	<0.500	<0.500	<0.500	<1.00	<0.500	3.06	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	08/10/2006	<0.1	<0.1	<0.1	<0.2	7.5	<5	0.2 J	<0.1	<0.1	NT	NT
19214-SHAN-INF	11/27/2006	<0.1	<0.1	<0.1	<0.2	5	<5	0.2 J	<0.1	<0.1	NT	NT
19214-SHAN-INF	02/10/2009	<0.500	<0.500	<0.500	<0.500	3.27	<2.50	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	05/19/2010	<0.500	<0.500	<0.500	<0.500	0.8	<2.50	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	12/15/2010	<0.500	<0.500	<0.500	<0.500	0.790	<2.50	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19214-SHAN-INF	11/21/2013	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	11/02/2005	<0.5	<0.5	<0.5	<0.5	0.7	<10	<0.5	<0.5	<0.5	NT	NT
19215-SHAN-INF	01/25/2008	<0.1	<0.1	<0.1	<0.2	0.2 J	<5	<0.1	<0.1	<0.1	NT	NT
19215-SHAN-INF	02/09/2009	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	01/19/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	06/23/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	11/12/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	03/18/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	08/24/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	11/21/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	05/18/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	01/29/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	05/21/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19215-SHAN-INF	12/31/2013	<0.500	<0.500	<0.500	<1.0	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
19200-MDTN-INF**	09/15/2005	<0.1	<0.1	<0.1	<0.2	0.5 J	-	-	-	-	NT	NT
19200-MDTN-INF**	03/31/2006	<0.1	<0.1	<0.1	<0.2	0.4 J	<5	<0.1	<0.1	<0.1	NT	NT
19200-MDTN-INF**	05/12/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
19200-MDTN-INF**	08/10/2006	<0.1	<0.1	<0.1	<0.2	0.2 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	05/12/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	08/10/2006	<0.1	<0.1	<0.1	<0.2	0.2 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	08/29/2006	<0.1	<0.1	<0.1	<0.2	0.3 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	11/29/2006	<0.1	<0.1	<0.1	<0.2	0.3 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	02/27/2007	<0.1	<0.1	<0.1	<0.2	0.3 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	0.8	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	08/07/2007	<0.1	<0.1	<0.1	<0.2	0.9	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	11/05/2007	<0.1	<0.1	<0.1	<0.2	0.6	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	02/20/2008	<0.1	<0.1	<0.1	<0.2	0.5 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	05/13/2008	<0.1	<0.1	<0.1	<0.2	0.3 J	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	0.5	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	11/20/2008	<0.1	<0.1	<0.1	<0.2	0.9	<5	<0.1	<0.1	<0.1	NT	NT
PW01-INF	02/09/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW01-INF	05/19/2009	<0.5	<0.5	<0.5	<0.5	1.3	<2.50	<0.5	<0.5	<0.5	NT	NT
PW01-INF	08/17/2009	<0.5 AE	<0.5 AE	<0.5 AE	<0.5 AE	0.57 AE	<2.5 AE	<0.5 AE	<0.5 AE	<0.5 AE	NT	NT
PW01-INF	11/24/2009	<0.5	<0.5	<0.5	<0.5	0.720	<2.50	<0.5	<0.5	<0.5	NT	NT
PW01-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	05/18/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
PW01-INF	08/26/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	1.23	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	02/15/2011	<0.500	<0.500	<0.500	<0.500	0.960	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	1.56	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
PW01-INF	11/22/2011	<0.500	<0.500	<0.500	<0.500	1.48	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	1.16	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	05/18/2012	<0.500	3.27	<0.500	<0.500	0.820	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	2.02	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	1.31	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	1.37	<2.50	<0.500	<0.500	<0.500	NT	NT
PW01-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	1.90	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW01-INF	02/27/2014	<0.500	<0.500	<0.500	<1.00	1.02	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW01-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW01-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.9	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	1.8	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	11/09/2016	<0.1	<0.1	<0.1	<0.3	2	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	1.5	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	1.2	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.8	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	0.72	NA	<0.11	<0.17	<0.11	<0.15	NA
PW01-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	0.5	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	11/08/2018	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	05/08/2019	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	11/05/2019	<0.1	<0.1	<0.1	<0.3	0.2 J	7 J	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	06/23/2020	<0.1	<0.1	<0.1	<0.1	0.28 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW01-INF	11/04/2020	<0.10	<0.10	<0.10	<0.10	0.26 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW01-INF	05/12/2021	<0.10	<0.10	<0.10	<0.10	0.19 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW01-INF	11/12/2021	<0.10	<0.10	<0.10	<0.10	0.18 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW01-INF	05/12/2022	<0.10	<0.10	<0.10	<0.10	0.17 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW01-INF	11/15/2022	<0.10	<0.10	<0.10	<0.10	0.18 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW02-INF	08/29/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	11/29/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	02/27/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	05/24/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	08/07/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	11/05/2007	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	02/20/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	05/13/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	08/13/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW02-INF	11/20/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT



Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
PW02-INF	02/09/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW02-INF	05/19/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW02-INF	08/17/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW02-INF	11/24/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW02-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	05/18/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	08/26/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	02/15/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	1.11	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
PW02-INF	11/22/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	05/18/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW02-INF	11/13/2013	<0.500	<0.500	<0.500	<1.00	0.89	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW02-INF	02/27/2014	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW02-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW02-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	0.5	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	11/09/2016	<0.1	<0.1	<0.1	<0.3	0.3 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	0.080 J	NA	<0.11	<0.17	<0.11	<0.15	NA
PW02-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	11/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	05/08/2019	<0.1	<0.1	<0.1	<0.1	0.3 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	11/05/2019	<0.1	<0.1	<0.1	<0.3	0.1 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	06/23/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW02-INF	11/04/2020	<0.10	<0.10	<0.10	<0.10	0.16 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW02-INF	05/12/2021	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW02-INF	11/12/2021	<0.10	<0.10	<0.10	<0.10	0.14 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW02-INF	05/12/2022	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW02-INF	11/15/2022	<0.10	<0.10	<0.10	<0.10	0.17 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW03-INF	08/29/2006	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW03-INF	05/13/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW03-INF	08/14/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT
PW03-INF	11/21/2008	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	NT

Table 2

HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
PW03-INF	02/09/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW03-INF	05/18/2009	<0.5	<0.5	<0.5	<0.5	0.72	<2.50	<0.5	<0.5	<0.5	NT	NT
PW03-INF	08/17/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW03-INF	11/23/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<2.50	<0.5	<0.5	<0.5	NT	NT
PW03-INF	02/16/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	05/18/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	08/26/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	11/11/2010	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	02/16/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	05/23/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	08/23/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	<0.50	<0.50
PW03-INF	11/22/2011	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	02/23/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	05/18/2012	<0.500	3.11	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	08/28/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	11/20/2012	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	02/13/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	05/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	08/22/2013	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
PW03-INF	11/13/2013	<0.500	<5.00	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW03-INF	02/27/2014	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW03-INF	11/06/2014	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
PW03-INF	05/20/2015	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	11/06/2015	<0.1	<0.1	<0.1	<0.1	0.2 J	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	05/03/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	11/09/2016	<0.1	<0.1	<0.1	<0.3	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	01/24/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	05/03/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.50	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	11/08/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	02/16/2018	<0.12	<0.057	<0.11	<0.30	<0.074	NA	<0.11	<0.17	<0.11	<0.15	NA
PW03-INF	05/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	08/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	11/08/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	02/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	05/08/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	11/05/2019	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	06/23/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
PW03-INF	11/04/2020	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW03-INF	05/12/2021	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW03-INF	11/12/2021	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW03-INF	05/12/2022	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
PW03-INF	11/15/2022	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10

Notes:

In Third Quarter 2020, recovery well RW-4 was converted back to a potable well for the 1608 Rayville Rd. residence.



HISTORICAL POTABLE WELL DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5

* GW Cleanup Standards are the Maryland Department of the Environment (MDE) Groundwater Clean-up Standards for Type I and II Aquifers. (2018)

**As of 2006 began separately sampling the three supply wells (PW01-INF, PW02-INF, and PW03-INF) that supply 19200 Middletown Road.

<# = Less than the method detection limit of #

<#¹ = Less than the method Reporting limit of #

µg/L = Micrograms per liter

- = Not Applicable / Not Available

NA = Not Analyzed

NL = No Limit (Screening)

NT = (Data for specific compound) Not Tabulated, but laboratory analytical results available for sampling date.

J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value

MTBE = Methyl-tertiary butyl-ether

MDTN = Middletown Road

RAY = Rayville Road

Table 2-A

GROUNDWATER AND POTABLE DATA SUMMARY - THIRD QRT. 2022

Carroll Independent Fuel - Former Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	5.6	0.05
MW-1	08/24/2022	<0.10	<0.080	<0.080	<0.070	0.11 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-2	08/24/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-3	08/25/2022	0.34 J	<0.080	<0.080	0.11 J	2.4	2.3	<0.10	<0.20	40	230	120	<0.080	<0.080
MW-4	08/25/2022	<0.10	<0.080	<0.080	<0.070	1.9	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-5B	08/24/2022	0.11 J	0.15 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-5	08/29/2022	8.2	2.0 J	200	240	2.9	100	<0.50	<1.0	280	4,100	9,000	410	0.59 J
MW-6	08/24/2022	<0.10	<0.080	<0.080	<0.070	0.48 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-7A	08/29/2022	<0.10	<0.080	<0.080	<0.070	0.72	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-7B	08/29/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	110	<0.080	<0.080
MW-8A	08/24/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-8B	08/24/2022	<0.10	0.11 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
MW-9A	08/24/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-9B	08/24/2022	<0.10	<0.080	<0.080	<0.070	<0.080	0.51	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-10A	08/23/2022	0.64	<0.080	<0.080	<0.070	4.3	0.15 J	<0.10	<0.20	4.4 J	190	69 J	<0.080	0.11 J
MW-10B	08/23/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<1,400	<0.080	<0.080
MW-11A	08/26/2022	<0.10	<0.080	<0.080	<0.070	0.81	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
MW-11B	08/23/2022	<0.10	<0.080	<0.080	<0.070	0.32 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-12B	08/24/2022	<0.10	0.098 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-14A	08/25/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-14B	08/25/2022	0.10 J	<0.080	<0.080	<0.070	25	<0.080	0.30 J	0.7	13	26 J	<56	<0.080	<0.080
MW-15	08/29/2022	<0.10	<0.080	<0.080	<0.070	1.1	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-16A	08/26/2022	<0.10	<0.080	<0.080	<0.070	0.9	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
MW-16B	08/26/2022	<0.10	<0.080	<0.080	<0.070	3.1	<0.080	<0.10	<0.20	5.5 J	<23	<56	<0.080	<0.080
MW-17A	08/25/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
MW-17B	08/25/2022	1.9	<0.080	<0.080	<0.070	3.8	<0.080	0.16 J	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-18A	08/29/2022	<0.10	<0.080	<0.080	<0.070	0.39 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-18B	08/29/2022	0.71	0.15 J	<0.080	0.16 J	260	<0.080	1.8	5.3	210	140	<58	<0.080	<0.080
MW-19A	11/17/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
MW-19B	11/17/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP

Table 2-A

GROUNDWATER AND POTABLE DATA SUMMARY - THIRD QRT. 2022

Carroll Independent Fuel - Former Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Carbon Disulfide (ug/L)	Chloroform (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichlorofluoromethane (ug/L)
GW Clean-up Standards*		5	6	81	80	70	45	NL	NL	NL	NL	5	NL
MW-1	08/24/2022	<0.070	<0.080	<0.10	<0.090	0.14 J	<0.080	<0.080	<0.10	<0.080	<0.10	0.25 J	<0.10
MW-2	08/24/2022	<0.070	<0.080	<0.10	<0.090	0.15 J	<0.080	<0.080	<0.10	<0.080	<0.10	0.27 J	<0.10
MW-3	08/25/2022	<0.070	<0.080	0.12 J	<0.090	<0.080	2.1	0.54	<0.10	<0.080	2.3	<0.20	<0.10
MW-4	08/25/2022	<0.070	<0.080	0.16 J	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	0.38 J	<0.10
MW-5B	08/24/2022	<0.070	<0.080	<0.10	<0.090	0.12 J	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-5	08/29/2022	1.4 J	76	<0.50	<0.45	<0.40	29	8.2	47	11	6.8	<1.0	<0.50
MW-6	08/24/2022	<0.070	<0.080	<0.10	<0.090	0.20 J	<0.080	<0.080	<0.10	<0.080	<0.10	0.31 J	<0.10
MW-7A	08/29/2022	<0.070	<0.080	<0.10	0.27 J	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-7B	08/29/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-8A	08/24/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-8B	08/24/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-9A	08/24/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-9B	08/24/2022	<0.070	<0.080	0.25 J	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-10A	08/23/2022	0.099 J	<0.080	<0.10	<0.090	<0.080	0.12 J	0.18 J	<0.10	<0.080	2.6	<0.20	<0.10
MW-10B	08/23/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-11A	08/26/2022	<0.070	<0.080	0.13 J	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-11B	08/23/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-12B	08/24/2022	<0.070	<0.080	<0.10	<0.090	0.22 J	<0.080	<0.080	<0.10	<0.080	<0.10	0.37 J	<0.10
MW-14A	08/25/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-14B	08/25/2022	0.23 J	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-15	08/29/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-16A	08/26/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-16B	08/26/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-17A	08/25/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-17B	08/25/2022	0.28 J	<0.080	<0.10	<0.090	<0.080	0.096 J	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-18A	08/29/2022	<0.070	<0.080	<0.10	0.19 J	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-18B	08/29/2022	0.14 J	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-19A	11/17/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
MW-19B	11/17/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP

Table 2-A

GROUNDWATER AND POTABLE DATA SUMMARY - THIRD QRT. 2022

Carroll Independent Fuel - Former Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromoethane (µg/L)
GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	47	47	5.6	0.05
MW-20A	11/16/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
MW-20B	11/16/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
MW-21	08/26/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
MW-22	08/26/2022	<0.10	<0.080	<0.080	<0.070	1.2	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
MW-23	08/25/2022	<0.10	<0.080	<0.080	<0.070	0.21 J	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
MW-24B	08/25/2022	<0.10	0.17 J	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	35 J	210	<0.080	<0.080
MW-25B	08/24/2022	<0.10	<0.080	<0.080	<0.070	<0.080	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
RW-1	08/26/2022	<0.10	<0.080	<0.080	<0.070	0.8	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
RW-2	08/29/2022	<0.10	<0.080	<0.080	<0.070	0.97	<0.080	<0.10	<0.20	<3.0	<23	<57	<0.080	<0.080
RW-3	08/26/2022	<0.10	<0.080	<0.080	<0.070	0.41 J	<0.080	<0.10	<0.20	<3.0	<23	<56	<0.080	<0.080
1608R	08/29/2022	<0.10	<0.080	<0.080	<0.070	39	<0.080	0.26 J	0.89	<3.0	27 J	<57	<0.080	<0.080
1606-RAY-INF	08/25/2022	<0.10	<0.10	<0.10	<0.10	1.1	<0.20	<0.10	<0.10	<2.5	NA	NA	NA	NA
1608-RAY-INF ^A	08/29/2022	<0.10	<0.10	<0.10	<0.10	3.8	<0.20	<0.10	<0.10	<2.5	NA	NA	NA	NA
1612-RAY-INF	08/25/2022	<0.10	<0.10	<0.10	<0.10	0.34 J	<0.20	<0.10	<0.10	<2.5	NA	NA	NA	NA
PW01-INF	11/15/2022	<0.10	<0.10	<0.10	<0.10	0.18 J	<0.20	<0.10	<0.10	<2.5	NA	NA	NA	NA
PW02-INF	11/15/2022	<0.10	<0.10	<0.10	<0.10	0.17 J	<0.20	<0.10	<0.10	<2.5	NA	NA	NA	NA
PW02-INF	11/15/2022	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<2.5	NA	NA	NA	NA

Table 2-A

GROUNDWATER AND POTABLE DATA SUMMARY - THIRD QRT. 2022

Carroll Independent Fuel - Former Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	1,2-Dichloroethane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Carbon Disulfide (ug/L)	Chloroform (ug/L)	cis-1,2-Dichloroethene (ug/L)	Isopropylbenzene (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichlorofluoromethane (ug/L)
GW Clean-up Standards*		5	6	81	80	70	45	NL	NL	NL	NL	5	NL
MW-20A	11/16/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
MW-20B	11/16/2022	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
MW-21	08/26/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-22	08/26/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	0.16 J	<0.20	<0.10
MW-23	08/25/2022	<0.070	<0.080	0.19 J	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-24B	08/25/2022	<0.070	<0.080	0.34 J	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
MW-25B	08/24/2022	<0.070	<0.080	<0.10	<0.090	0.29 J	<0.080	<0.080	<0.10	<0.080	<0.10	0.46 J	<0.10
RW-1	08/26/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
RW-2	08/29/2022	<0.070	<0.080	<0.10	0.12 J	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
RW-3	08/26/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
1608R	08/29/2022	<0.070	<0.080	<0.10	<0.090	<0.080	<0.080	<0.080	<0.10	<0.080	<0.10	<0.20	<0.10
1606-RAY-INF	08/25/2022	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NA	0.11 J	NA
1608-RAY-INF ^A	08/29/2022	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NA	<0.10	NA
1612-RAY-INF	08/25/2022	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NA	<0.10	NA
PW01-INF	11/15/2022	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NA	<0.10	NR
PW02-INF	11/15/2022	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NA	<0.10	NA
PW02-INF	11/15/2022	<0.10	NA	NA	NA	<0.10	NA	NA	NA	NA	NA	<0.10	NA

Notes:

* GW Cleanup Standards are the MDE Groundwater Clean-up Standards for Type I and II Aquifers (2018)

^A- In Third Quarter 2020, recovery well RW-4 was converted back to a potable well for the 1608 Rayville Rd. residence.

<# = result less than the method detection limit

µg/L = Micrograms per liter

MTBE = Methyl Tertiary Butyl Ether

TPH-DRO = Total-petroleum hydrocarbons-diesel range organics

TPH-GRO = Total-petroleum hydrocarbons-gasoline range organics

NL = No Limit (screening)

J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value.

NA = Not Analyzed

AP = Analysis Pending

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	11/03/2005	-	-	<100	<100	<100	<100	2,670	<2,000	<100	-	<100	NT	-
1606-RAY-INF	11/14/2005	-	-	<100	<100	<100	<100	2,250	<2,000	<100	-	<100	NT	-
1606-RAY-INF	03/13/2006	-	-	<0.5	<0.7	<0.8	<0.8	160	-	-	-	-	NT	-
1606-RAY-INF	04/20/2006	-	-	<50	<50	<50	<50	2,860	<1,000	57	-	<50	NT	-
1606-RAY-INF	05/12/2006	-	-	6.4 J	<2	<2	6.2 J	3,800	740	95	<2	15	NT	-
1606-RAY-INF	06/14/2006	-	-	7.8 J	<5	<5	6.3 J	3,200	740 J	77	<5	13 J	NT	-
1606-RAY-INF	07/18/2006	-	-	13	0.1 J	<0.1	14.3	3,700	1,300	98	<0.1	20	NT	-
1606-RAY-INF	08/10/2006	-	-	17	0.1 J	<0.1	18.9	5,600	1,200 J	150	0.2 J	22	NT	-
1606-RAY-INF	09/14/2006	-	-	14	0.1 J	<0.1	17.6	5,100	1,000	140 J	0.2 J	25	NT	-
1606-RAY-INF	10/19/2006	-	-	16	0.2 J	<0.1	18.1	5,900	1,500	160	0.2 J	22	NT	-
1606-RAY-INF	11/27/2006	-	-	13	<0.5	<0.5	14	6,000	1,600	160	<0.5	<0.5	NT	-
1606-RAY-INF	12/21/2006	-	-	9	<0.5	<0.5	10	4,900	1,400	120 J	<0.5	21	NT	-
1606-RAY-INF	01/18/2007	-	-	<0.5	<0.5	<0.5	<1.0	390	58 J	9.3	<0.5	2 J	NT	-
1606-RAY-INF	02/27/2007	-	-	<0.1	<0.1	<0.1	<0.2	570	56	16	<0.1	7.9	NT	-
1606-RAY-INF	03/21/2007	-	-	<1	<1	<1	<2.0	1,800	89 J	34	<1	9.9	NT	-
1606-RAY-INF	04/23/2007	-	-	<5	<5	<5	<10	2,200	<250	41	<5	10 J	NT	-
1606-RAY-INF	05/24/2007	-	-	<2.5	<2.5	<2.5	<5	3,100	<130	48	<2.5	10 J	NT	-
1606-RAY-INF	06/19/2007	-	-	<0.3	<0.3	<0.3	<0.5	5,100	130	120	<0.3	21	NT	-
1606-RAY-INF	07/18/2007	-	-	1.2 J	5.3	<0.3	0.8 J	6,300	440	120 J	<0.3	24	NT	-
1606-RAY-INF	08/07/2007	-	-	2.4	<0.3	<0.3	2.5	5,800	650	140 J	<0.3	23	NT	-
1606-RAY-INF	09/10/2007	-	-	2.9	<0.5	<0.5	2.7	6,700	1,100	150 J	<0.5	26	NT	-
1606-RAY-INF	10/10/2007	-	-	4.3	<0.5	<0.5	3.5	7,400	1,300	160 J	<0.5	31	NT	-
1606-RAY-INF	11/05/2007	-	-	4.0	<0.5	<0.5	3.1	10,000	1,200	150	<0.5	31	NT	-
1606-RAY-INF	12/05/2007	-	-	5.4	<0.5	<0.5	4.3	7,900	1,500	180 J	<0.5	34	NT	-
1606-RAY-INF	01/17/2008	-	-	6.4	<0.5	<0.5	6.1	7,600	1,000	240 J	<0.5	30	NT	-
1606-RAY-INF	02/20/2008	-	-	6.8	<0.5	<0.5	5.8	9,900	1,800	190 J	<0.5	34	NT	-
1606-RAY-INF	03/20/2008	-	-	5.6	<0.5	<0.5	4.2	8,100	1,700	220	<0.5	37	NT	-
1606-RAY-INF	04/22/2008	-	-	<0.1	<0.1	<0.1	<0.1	680	15 J	19	<0.1	3.8	NT	-
1606-RAY-INF	05/13/2008	-	-	<0.1	<0.1	<0.1	<0.1	110	<5	1.5	<0.1	0.8	NT	-
1606-RAY-INF	06/19/2008	-	-	<0.1	<0.1	<0.1	<0.2	100	<5	0.6	<0.1	1.7	NT	-
1606-RAY-INF	07/22/2008	-	-	<2	<2	<2	<4	5,900	210 J	110	<2	17	NT	-

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	08/13/2008	-	-	<0.5	<0.5	<0.5	<1.0	7,200	430	130 J	<0.5	21	NT	-
1606-RAY-INF	09/24/2008	-	-	<5	<5	<5	<10	8,500	1,100 J	170	<5	29	NT	-
1606-RAY-INF	10/16/2008	-	-	<5	<5	<5	<10	9,500	1,300	190	<5	30	NT	-
1606-RAY-INF	11/18/2008	-	-	<5	<5	<5	<10	9,800	1,600	190	<5	34	NT	-
1606-RAY-INF	12/16/2008	-	-	<5	<5	<5	<10	11,000	1,500	210	<5	34	NT	-
1606-RAY-INF	01/16/2009	-	-	<5	<5	<5	<10	5,000	320 J	97	<5	18 J	NT	-
1606-RAY-INF	02/09/2009	-	-	<0.500	<0.500	<0.500	<0.500	3,370	76.3	56.3	<0.500	12.3	NT	-
1606-RAY-INF	03/11/2009	-	-	<0.500	<0.500	<0.500	<0.500	3,570	82.8	39.7	<0.500	15.3	NT	-
1606-RAY-INF	04/24/2009	-	-	<0.500	<0.500	<0.500	<0.500	9,180	124	80.2	<0.500	18.8	NT	-
1606-RAY-INF	05/18/2009	-	-	<0.500	<0.500	<0.500	<0.500	11,700	196	70.9	<0.500	17.1	NT	-
1606-RAY-INF	05/29/2009	-	-	<0.500	<0.500	<0.500	<0.500	2,080	71.6	19.5	<0.500	7.41	NT	-
1606-RAY-INF	06/15/2009	-	-	<1.00	<1.00	<1.00	<1.00	1,280	42.3	15.7	<1.00	10.3	NT	-
1606-RAY-INF	07/14/2009	-	-	16.8	<0.500	<0.500	10.1	9,790	1,960	252	<0.500	51.4	NT	-
1606-RAY-INF	08/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	5,610	878	95.8	<0.500	30.9	NT	-
1606-RAY-INF	09/21/2009	-	-	0.620	<0.500	<0.500	<0.500	8,440	1,320	170	<0.500	32.1	NT	-
1606-RAY-INF	10/23/2009	-	-	0.8	<0.500	<0.500	<0.500	10,900	1,240	212	<0.500	32.6	NT	-
1606-RAY-INF	11/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	656	5.92	8.56	<0.500	2.16	NT	-
1606-RAY-INF	12/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	26.3	<2.50	<0.500	<0.500	0.61	NT	-
1606-RAY-INF	01/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	86	<2.50	<0.500	<0.500	2.45	NT	-
1606-RAY-INF	02/16/2010	-	-	<0.500	<0.500	<0.500	<0.500	3,490	17.1	45.9	<0.500	8.97	NT	-
1606-RAY-INF	03/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	398	<2.50	3.99	<0.500	2.46	NT	-
1606-RAY-INF	04/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	4,900	<2.50	62.5	<0.500	13.2	NT	-
1606-RAY-INF	05/17/2010	-	-	<0.500	<0.500	<0.500	<0.500	4,490	2,060	50.1	<0.500	15.4	NT	-
1606-RAY-INF	06/14/2010	-	-	<0.500	<0.500	<0.500	<0.500	4,960	351	64.0	<0.500	15.7	NT	-
1606-RAY-INF	07/21/2010	-	-	1.08	59.9	<0.500	0.600	5,260	349	56.3	<0.500	15.8	NT	-
1606-RAY-INF	08/18/2010	-	-	<0.500	3.52	<0.500	<0.500	8,990	592	79.8	<0.500	19.2	NT	-
1606-RAY-INF	09/24/2010	-	-	<0.500	0.600	<0.500	<0.500	5,290	1,300	72.2	<0.500	21.1	NT	-
1606-RAY-INF	10/15/2010	-	-	<0.500	0.780	<0.500	<0.500	4,840	712	89.3	<0.500	19.7	NT	-
1606-RAY-INF	11/12/2010	-	-	0.830	1.37	<0.500	0.550	8,030	2,620	286	<0.500	26.8	NT	NT
1606-RAY-INF	12/15/2010	-	-	1.39	0.740	<0.500	0.670	14,800	1,630	158	<0.500	22.7	NT	NT
1606-RAY-INF	01/20/2011	-	-	<0.500	<0.500	<0.500	<0.500	8,510	1,180	132	<0.500	26.7	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	02/14/2011	-	-	<0.500	<0.500	<0.500	0.760	10,300	2,510	232	<0.500	<0.500	NT	NT
1606-RAY-INF	03/18/2011	-	-	<0.500	<0.500	<0.500	<0.500	306	<2.50	7.40	<0.500	1.13	NT	NT
1606-RAY-INF	04/19/2011	-	-	<0.500	<0.500	<0.500	<0.500	32.7	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	05/02/2011	-	-	<0.5	<0.5	<0.5	<1.0	12.7	<2.5	<0.5	<0.5	<0.5	<0.5	0.5 V4
1606-RAY-INF	05/23/2011	-	-	<0.500	<0.500	<0.500	<0.500	11.3	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	06/24/2011	-	-	<0.50	<0.50	<0.50	<0.50	918	24.6	12.8	<0.50	4.48	NT	NT
1606-RAY-INF	07/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	1,170	68.7	28.1	<0.50	5.99	NT	NT
1606-RAY-INF	08/23/2011	-	-	<0.50	<0.50	<0.50	<0.50	1,830	98.2	33.8	<0.5	6.79	NT	NT
1606-RAY-INF	09/29/2011	-	-	<0.50	<0.50	<0.50	<0.50	165	7.75	2.13	<0.50	<0.50	NT	NT
1606-RAY-INF	10/20/2011	-	-	<0.50	<0.50	<0.50	<0.50	1,150	13.9	17.5	<0.50	4.10	NT	NT
1606-RAY-INF	11/21/2011	-	-	<0.50	<0.50	<0.50	<0.50	986	15.5	19.8	<0.50	4.12	NT	NT
1606-RAY-INF	12/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	8.3	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	01/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	5.89	<2.50	<0.50	<0.50	0.54	NT	NT
1606-RAY-INF	02/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	3.15	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	03/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	6.27	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	04/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	5.43	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-INF	05/17/2012	-	-	<0.500	<0.500	<0.500	<0.500	61.7	<2.50	<0.500	<0.500	1.27	NT	NT
1606-RAY-INF	06/26/2012	-	-	<0.500	<0.500	<0.500	<0.500	203	5.14	1.71	<0.500	<0.500	NT	NT
1606-RAY-INF	07/25/2012	-	-	<0.500	<0.500	<0.500	<0.500	414	23.0	4.86	<0.500	3.02	NT	NT
1606-RAY-INF	08/28/2012	-	-	<0.500	<0.500	<0.500	<0.500	364	28.8	7.95	<0.500	3.21	NT	NT
1606-RAY-INF	09/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	350 QK	29.9	6.91	<0.500	1.85	NT	NT
1606-RAY-INF	10/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	496	39.4	14.4	<0.500	<0.500	NT	NT
1606-RAY-INF	11/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	10.1	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	12/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	7.17	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	01/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	13.8	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	02/13/2013	-	-	<0.500	<0.500	<0.500	<0.500	6.20	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	03/26/2013	-	-	<0.500	<0.500	<0.500	<0.500	1.58	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	04/23/2013	-	-	<0.500	<0.500	<0.500	<0.500	0.630	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	4.48	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	06/27/2013	-	-	<0.500	<0.500	<0.500	<0.500	35.7	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-INF	07/25/2013	-	-	<0.500	<0.500	<0.500	<0.500	28.3	<2.50	<0.500	<0.500	0.940	NT	NT



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 19200 Middletown Rd
 Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	08/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	32.1	<2.50	<0.500	<0.500	0.720	NT	NT
1606-RAY-INF	09/20/2013	-	-	<0.500	<0.500	<0.500	<0.500	30.8	<2.50	<0.500	<0.500	0.630	NT	NT
1606-RAY-INF	10/23/2013	-	-	<0.500	<0.500	<0.500	<1.00	15.6	<2.50	<0.500	<0.500	0.560	<0.5	<0.5
1606-RAY-INF	11/13/2013	-	-	<0.500	<0.500	<0.500	<1.00	7.76	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	12/06/2013	-	-	<0.500	<0.500	<0.500	<1.00	16.9	<2.50	<0.500	<0.500	0.57	<0.5 2e	<0.5
1606-RAY-INF	01/06/2014	-	-	<0.500	<0.500	<0.500	<1.00	1.5	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	02/27/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	03/11/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	04/21/2014	-	-	<0.500	<0.500	<0.500	<1.00	0.76	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1606-RAY-INF	05/08/2014	-	-	<0.500	<0.500	<0.500	<1.00	0.86	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	06/09/2014	-	-	<0.500	<0.500	<0.500	<1.00	16	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	07/10/2014	-	-	<0.500	<0.500	<0.500	<1.00	7.34	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	08/27/2014	-	-	<0.500	<0.500	<0.500	<1.00	9.82	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	09/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	12.2	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	10/31/2014	-	-	<0.500	<0.500	<0.500	<1.00	18.2	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	12/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	26.7	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	01/14/2015	-	-	<0.500	<0.500	<0.500	<1.00	26.6	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-INF	02/16/2015	-	-	<0.1	<0.1	<0.1	<0.1	32	<2.5	0.3 J	<0.1	0.5	<0.2	<0.1
1606-RAY-INF	03/19/2015	-	-	<0.1	<0.1	<0.1	<0.1	16	<2.5	0.1 J	<0.1	0.4 J	<0.2	<0.1
1606-RAY-INF	04/08/2015	-	-	<0.1	<0.1	<0.1	<0.1	11	<2.5	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	05/20/2015	-	-	<0.1	<0.1	<0.1	<0.1	6.3	<2.5	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	06/23/2015	-	-	<0.1	<0.1	<0.1	<0.1	11	<2.5	<0.1	<0.1	0.3 J	<0.2	<0.1
1606-RAY-INF	08/11/2015	-	-	<0.1	<0.1	<0.1	<0.1	15	3.3 J	0.2 J	<0.1	0.3 J	<0.2	<0.1
1606-RAY-INF	11/03/2015	-	-	<0.1	<0.1	<0.1	<0.1	6.2	3.8 J	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	02/10/2016	-	-	<0.1	<0.1	<0.1	<0.1	5.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	4.5	<2.5	<0.1	<0.1	0.1 J	<0.2	<0.1
1606-RAY-INF	08/02/2016	-	-	<0.1	<0.1	<0.1	NA	6.9	<2.5	<0.1	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	11/09/2016	-	-	<0.1	<0.1	<0.1	<0.1	9.1	<2.5	0.1 J	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	01/24/2017	-	-	<0.1	<0.1	<0.1	<0.1	12	<2.5	0.1 J	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	05/03/2017	-	-	<0.1	<0.1	<0.1	<0.1	7.6	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	08/01/2017	-	-	<0.1	<0.1	<0.1	<0.1	2.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1



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19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-INF	11/07/2017	-	-	<0.1	<0.1	<0.1	<0.1	5.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	02/13/2018	-	-	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	6.6	1.1 J	0.15 J	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1606-RAY-INF	05/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	22	<2.5	0.3 J	<0.1	0.2 J	<0.2	<0.1
1606-RAY-INF	08/21/2018	-	-	<0.1	<0.1	<0.1	<0.1	2.2	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	11/06/2018	-	-	<0.1	<0.1	<0.1	<0.1	2.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	02/05/2019	-	-	<0.1	<0.1	<0.1	<0.1	1.9	2.7 J	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	05/08/2019	-	-	<0.1	<0.1	<0.1	<0.1	2.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	08/27/2019	-	-	<0.1	<0.1	<0.1	<0.3	1.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	11/05/2019	-	-	<0.1	<0.1	<0.1	<0.3	1.5	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	02/05/2020	-	-	<0.1	<0.1	<0.1	<0.3	2.2	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-INF	06/23/2020	-	-	<0.10	<0.10	<0.10	<0.10	1.3	<2.5	<0.10	<0.10	<0.10	<0.20	0.12 J
1606-RAY-INF	09/01/2020	-	-	<0.10	<0.10	<0.10	<0.10	1.4	<2.5	<0.10	<0.10	<0.10	<0.20	0.12 J
1606-RAY-INF	11/04/2020	-	-	<0.10	<0.10	<0.10	<0.10	1.5	<2.5	<0.10	<0.10	<0.10	<0.20	0.12 J
1606-RAY-INF	02/03/2021	-	-	<0.10	<0.10	<0.10	<0.10	1.7	<2.5	<0.10	<0.10	<0.10	<0.20	0.14 J
1606-RAY-INF	05/12/2021	-	-	<0.10	<0.10	<0.10	<0.10	0.92	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-INF	08/10/2021	-	-	<0.10	<0.10	<0.10	<0.10	1.0	<2.5	<0.10	<0.10	<0.10	<0.20	0.11 J
1606-RAY-INF	11/09/2021	-	-	<0.10	<0.10	<0.10	<0.10	1.3	<2.5	<0.10	<0.10	<0.10	<0.20	0.13 J
1606-RAY-INF	02/22/2022	-	-	<0.10	<0.10	<0.10	<0.10	1.4	<2.5	<0.10	<0.10	<0.10	<0.20	0.13 J
1606-RAY-INF	05/10/2022	-	-	<0.10	<0.10	<0.10	<0.10	0.83	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-INF	08/25/2022	-	-	<0.10	<0.10	<0.10	<0.10	1.1	<2.5	<0.10	<0.10	<0.10	<0.20	0.11 J
1606-RAY-MID1	03/13/2006	-	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	-	-	-	NT	-
1606-RAY-MID1	04/11/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	91	<0.5	-	<0.5	NT	-
1606-RAY-MID1	04/20/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	125	<0.5	-	<0.5	NT	-
1606-RAY-MID1	05/12/2006	-	-	<0.1	0.4 J	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	06/14/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	41	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	07/18/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	210	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	08/10/2006	-	-	<0.1	<0.1	0.1 J	<0.2	<0.1	620	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	09/14/2006	-	-	<0.1	<0.1	<0.1	<0.2	0.1 J	10 J	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	10/19/2006	-	-	<0.1	<0.1	<0.1	<0.2	0.1 J	120	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	11/27/2006	-	-	<0.1	0.3 J	<0.1	<0.2	<0.1	510	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	12/21/2006	-	-	<0.1	<0.1	<0.1	<0.2	0.1 J	<5	<0.1	<0.1	<0.1	NT	-

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-MID1	01/18/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	11 J	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	02/27/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	61	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	03/21/2007	-	-	<0.1	<0.1	0.4 J	<0.2	<0.1	82	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	04/23/2007	-	-	<0.1	1.5	<0.1	<0.2	<0.1	110	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	05/24/2007	-	-	<0.1	<0.1	0.1 J	<0.2	0.2 J	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	06/19/2007	-	-	<0.1	0.2 J	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	07/18/2007	-	-	<0.1	5.6	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	08/07/2007	-	-	<0.1	<0.1	<0.1	<0.2	0.2 J	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	09/10/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	10/10/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	11/05/2007	-	-	<0.1	0.2 J	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	12/05/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	01/17/2008	-	-	<0.1	<0.1	<0.1	<0.1	0.1 J	21 J	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	02/20/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	110	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	03/20/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	310	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	04/22/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	800	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	05/13/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	06/19/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	07/22/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	08/13/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	09/24/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	10/16/2008	-	-	<0.1	0.1 J	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	11/18/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	12/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	01/16/2009	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-MID1	02/09/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID1	03/11/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	35.2	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID1	04/24/2009	-	-	<0.500	<0.500	<0.500	<0.500	2,470	62.0	21.9	<0.500	4.56	NT	-
1606-RAY-MID1	05/18/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID1	05/29/2009	-	-	<0.500	<0.500	<0.500	<0.500	3.78	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID1	06/15/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-

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19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-MID1	07/14/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	08/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	09/21/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	10/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	11/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	12/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	01/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	02/16/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	03/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	04/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	05/17/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	06/14/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	07/21/2010	-	-	<0.500	4.46	<0.500	<0.500	<0.500	2.99	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	08/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	16.5	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	09/24/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	10/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-MID2	11/12/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	12/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	01/20/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	02/14/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	03/18/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	04/19/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	05/23/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-MID2	06/24/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	07/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	08/23/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	21.3	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	09/29/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	10/20/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	11/21/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	12/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1606-RAY-MID2	01/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT

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19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5	
1606-RAY-MID2	02/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT	
1606-RAY-MID2	03/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT	
1606-RAY-MID2	04/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT	
1606-RAY-MID2	05/17/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	06/26/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	07/25/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	08/28/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	09/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	10/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	11/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	12/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	01/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	02/13/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	03/26/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	04/23/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	06/27/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	07/25/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	08/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	3.43	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	09/20/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT	
1606-RAY-MID2	10/23/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5	
1606-RAY-MID2	11/13/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5	
1606-RAY-MID2	12/06/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-MID2	01/06/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-MID2	04/21/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5	
1606-RAY-MID2	07/10/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5	
1606-RAY-MID2	12/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5	
1606-RAY-MID2	01/14/2015	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5	
1606-RAY-MID2	04/08/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1	
1606-RAY-MID2	08/11/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1	
1606-RAY-MID2	11/03/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1	

Table 3

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Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-MID2	02/10/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	08/02/2016	-	-	<0.1	<0.1	<0.1	NA	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	11/09/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	01/24/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	05/03/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	08/01/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	11/07/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	02/13/2018	-	-	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.92 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1606-RAY-MID2	05/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	08/21/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	11/06/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	02/05/2019	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	05/08/2019	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	08/27/2019	-	-	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	11/05/2019	-	-	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	02/05/2020	-	-	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-MID2	06/23/2020	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	09/01/2020	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	11/04/2020	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	02/03/2021	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	05/12/2021	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	3.7 J	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	08/10/2021	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	11/09/2021	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	02/22/2022	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	05/10/2022	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-MID2	08/25/2022	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	11/21/2005	-	-	<0.5	<0.5	-	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1606-RAY-EFF	01/03/2006	-	-	<0.5	<0.5	-	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1606-RAY-EFF	03/13/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	03/14/2006	-	-	<0.5	<0.5	-	<0.5	<0.5	10	<0.5	-	<0.5	NT	-



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-EFF	04/20/2006	-	-	<0.5	<0.5	-	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1606-RAY-EFF	05/11/2006	-	-	<0.5	<0.5	-	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1606-RAY-EFF	05/12/2006	-	-	<0.1	0.2 J	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	06/14/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	07/18/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	08/10/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	7.5 J	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	09/14/2006	-	-	<0.1	<0.1	<0.1	0.3 J	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	10/19/2006	-	-	<0.1	<0.1	<0.1	<0.2	0.3 J	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	11/27/2006	-	-	<0.1	0.2 J	<0.1	<0.2	<0.1	7.9 J	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	12/21/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	01/18/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	02/27/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	03/21/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	04/23/2007	-	-	<0.1	0.8	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	05/24/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	05/01/2007	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	06/19/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	07/18/2007	-	18,900	<0.1	3.4	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	08/07/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	09/10/2007	-	21,100	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	10/10/2007	-	21,800	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	11/05/2007	-	22,100	<0.1	0.1 J	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	12/05/2007	-	23,700	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	01/17/2008	-	25,100	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	02/20/2008	-	26,100	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	03/20/2008	-	27,000	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	04/22/2008	-	28,000	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	05/09/2008	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	05/13/2008	-	28,700	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	06/19/2008	-	28,900	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	07/22/2008	-	30,700	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-EFF	08/13/2008	-	31,400	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	09/24/2008	-	32,600	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	10/16/2008	-	33,300	<0.1	0.1 J	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	11/18/2008	-	34,300	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	12/16/2008	-	35,100	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	01/16/2009	-	36,100	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1606-RAY-EFF	02/09/2009	-	37,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	03/11/2009	-	38,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	03/19/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	04/24/2009	-	39,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	05/15/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	05/18/2009	-	40,400	<0.500	<0.500	<0.500	<0.500	<0.500	119	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	05/29/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	06/15/2009	-	41,500	<0.500	<0.500	<0.500	<0.500	<0.500	25.8	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	07/14/2009	-	42,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	07/23/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	08/17/2009	-	44,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	09/21/2009	-	45,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	10/23/2009	-	46,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	11/23/2009	-	47,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	12/17/2009	-	48,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	01/19/2010	-	49,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	02/16/2010	-	50,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	03/18/2010	-	51,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	04/19/2010	-	52,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	05/17/2010	-	53,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	06/14/2010	-	55,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	07/21/2010	-	56,400	<0.500	2.49	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	08/18/2010	-	57,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	08/31/2010	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	09/24/2010	-	58,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-EFF	10/15/2010	-	59,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1606-RAY-EFF	11/12/2010	-	60,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	12/15/2010	-	61,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	01/20/2011	-	62,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	02/14/2011	-	63,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	03/18/2011	-	65,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	04/19/2011	-	66,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	05/23/2011	-	67,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	06/24/2011	-	68,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	07/19/2011	-	69,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	08/23/2011	-	71,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	09/27/2011	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	09/29/2011	-	72,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	10/20/2011	-	72,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	11/21/2011	-	73,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	12/19/2011	-	74,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	01/26/2012	-	75,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	02/23/2012	-	76,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	03/23/2012	-	77,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	04/26/2012	-	78,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	05/17/2012	-	79,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	06/26/2012	-	80,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	07/25/2012	-	81,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	08/28/2012	-	82,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	09/24/2012	-	83,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	10/24/2012	-	84,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	11/20/2012	-	85,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	12/20/2012	-	86,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	01/22/2013	-	87,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	02/13/2013	-	88,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	03/26/2013	-	89,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-EFF	04/23/2013	-	90,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	05/21/2013	-	90,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	06/27/2013	-	92,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	07/25/2013	-	92,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	08/22/2013	-	93,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	09/18/2013	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	09/20/2013	-	94,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1606-RAY-EFF	10/23/2013	-	95,666	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	11/13/2013	-	96,256	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	12/06/2013	-	97,020	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1606-RAY-EFF	01/06/2014	-	97,991	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	02/27/2014	-	99,616	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	03/11/2014	-	100,117	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	04/21/2014	-	101,483	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	07/10/2014	-	104,225	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	08/27/2014	-	105,851	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	09/09/2014	CARBON CHANGE	106,200	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	09/18/2014	-	106,567	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	10/31/2014	-	108,138	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	12/18/2014	-	109,717	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	01/14/2015	-	110,669	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1606-RAY-EFF	02/16/2015	-	111,667	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	03/19/2015	-	112,880	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	04/08/2015	-	113,621	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	08/11/2015	-	117,852	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	11/03/2015	-	120,715	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	02/10/2016	-	124,782	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	05/03/2016	-	128,562	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	08/02/2016	-	132,123	<0.1	<0.1	<0.1	NA	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	11/09/2016	-	135,934	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	01/24/2017	-	140,635	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1606-RAY-EFF	05/03/2017	-	146,722	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	08/01/2017	-	148,768	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	11/07/2017	-	150,857	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	02/13/2018	-	153,118	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.84 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1606-RAY-EFF	05/08/2018	-	155,162	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	08/21/2018	-	157,652	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	11/06/2018	-	159,517	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	02/05/2019	-	161,965	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	05/08/2019	-	164,436	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	08/27/2019	-	167,030	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	11/05/2019	-	168,625	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	02/05/2020	-	170,820	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1606-RAY-EFF	06/23/2020	-	174,267	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	09/01/2020	-	175,654	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	11/04/2020	-	177,115	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	02/03/2021	-	179,483	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	05/12/2021	-	182,076	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	06/11/2021	CARBON CHANGE	182,700	-	-	-	-	-	-	-	-	-	-	-
1606-RAY-EFF	08/10/2021	-	184,404	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	11/09/2021	-	186,932	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	02/22/2022	-	190,245	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	05/10/2022	-	192,776	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1606-RAY-EFF	08/25/2022	-	195,505	<0.10	<0.10	<0.10	<0.10	<0.10	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	11/03/2005	-	-	<0.5	<0.5	<0.5	<0.5	851	18	22	-	4.4	NT	-
1608-RAY-INF	11/14/2005	-	-	<25	<25	<25	<25	900	<500	<25	-	<25	NT	-
1608-RAY-INF	09/13/2006	-	-	3 J	<0.7	<0.8	2 J	1,400	-	-	-	-	NT	-
1608-RAY-INF	04/20/2006	-	-	<25	<25	<25	<25	1,500	<500	35	-	<25	NT	-
1608-RAY-INF	05/12/2006	-	-	<1	<1	<1	<2	1,600	120 J	44	<1	6.2	NT	-
1608-RAY-INF	06/14/2006	-	-	2.6 J	<2.5	<2.5	<5	1,400	200 J	38	<2.5	6 J	NT	-
1608-RAY-INF	07/18/2006	-	-	5	<0.1	<0.1	4.2	1,500	340	47	<0.1	8.7	NT	-
1608-RAY-INF	08/10/2006	-	-	7.4	<0.1	<0.1	7.2	2,300	370	65	<0.1	9.2	NT	-

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

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19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-INF	09/14/2006	-	-	6.1	<0.1	<0.1	6.3	2,100	390	63	<0.1	10	NT	-
1608-RAY-INF	10/19/2006	-	-	8.8	<0.1	<0.1	8.6	2,500	390	67	<0.1	12	NT	-
1608-RAY-INF	11/27/2006	-	-	8.9	<0.5	<0.5	8.9	2,300	540	69	<0.5	10	NT	-
1608-RAY-INF	12/21/2006	-	-	4.7	<0.3	<0.3	5	2,300	520	64 J	<0.3	11	NT	-
1608-RAY-INF	01/18/2007	-	-	10	<0.5	<0.5	9.4	2,800	640	79	<0.5	12	NT	-
1608-RAY-INF	02/27/2007	-	-	13	<0.5	<0.5	9.7	3,300	930	110	<0.5	19	NT	-
1608-RAY-INF	03/21/2007	-	-	10 J	<2.5	<2.5	6.4 J	4,800	1,000	95	<2.5	16	NT	-
1608-RAY-INF	04/23/2007	-	-	11 J	<5	<5	6.9 J	3,700	1,300	97	<5	16 J	NT	-
1608-RAY-INF	05/24/2007	-	-	9.5 J	<5	<5	5.3 J	4,300	1,100 J	91	<5	16 J	NT	-
1608-RAY-INF	06/19/2007	-	-	12	<0.3	<0.3	9.3	5,200	1,000	130	<0.3	22	NT	-
1608-RAY-INF	07/18/2007	-	-	12	<0.3	<0.3	8.3	6,600	1,100	150 J	<0.3	22	NT	-
1608-RAY-INF	08/07/2007	-	-	9.9	<0.3	<0.3	8.6	4,600	940	130 J	<0.3	19	NT	-
1608-RAY-INF	09/10/2007	-	-	14	<0.5	<0.5	10	4,800	1,300	120 J	<0.5	24	NT	-
1608-RAY-INF	10/10/2007	-	-	11	<0.5	<0.5	7.5	5,200	1,100	130 J	<0.5	24	NT	-
1608-RAY-INF	11/05/2007	-	-	9.9	<0.5	<0.5	6.9	5,100	900	120	<0.5	23	NT	-
1608-RAY-INF	12/05/2007	-	-	12	<0.5	<0.5	7.8	5,300	1,400	110 J	<0.5	27	NT	-
1608-RAY-INF	01/17/2008	-	-	8.3	<0.5	<0.5	6.9	6,600	740	230 J	<0.5	20	NT	-
1608-RAY-INF	02/20/2008	-	-	9.4	<0.5	<0.5	6.6	6,100	1,200	130 J	<0.5	22	NT	-
1608-RAY-INF	03/20/2008	-	-	11	<0.5	<0.5	6.6	5,200	1,200	120	<0.5	26	NT	-
1608-RAY-INF	04/22/2008	-	-	14	<0.5	<0.5	10	6,000	1,400	140 J	<0.5	29	NT	-
1608-RAY-INF	05/13/2008	-	-	17 J	<5	<5	11 J	6,900	1,200 J	200	<0.5	26	NT	-
1608-RAY-INF	06/19/2008	-	-	11 J	<10	<10	<20	6,900	1,700 J	150	<10	23 J	NT	-
1608-RAY-INF	07/22/2008	-	-	14 J	<5	<5	7.0 J	7,600	1,500	200	<5	33	NT	-
1608-RAY-INF	08/13/2008	-	-	12	<0.5	<0.5	9.3	7,500	1,400	170 J	<0.5	27	NT	-
1608-RAY-INF	09/24/2008	-	-	14 J	<5	<5	8.7 J	8,000	1,700	200	<5	34	NT	-
1608-RAY-INF	10/16/2008	-	-	15 J	<5	<5	11 J	9,100	1,600	220	<5	33	NT	-
1608-RAY-INF	11/18/2008	-	-	13 J	<5	<5	6.6 J	8,500	1,700	200	<5	37	NT	-
1608-RAY-INF	12/16/2008	-	-	13 J	<5.0	<5.0	7.2 J	9,500	1,600	220	<5.0	37	NT	-
1608-RAY-INF	01/16/2009	-	-	17 J	<5	<5	9.2 J	9,700	2,000	230	<5	40	NT	-
1608-RAY-INF	02/09/2009	-	-	18.9	<0.500	<0.500	13.0	11,600	2,160	268	<0.500	44.9	NT	-
1608-RAY-INF	03/11/2009	-	-	20.1	<0.500	<0.500	11.1	11,800	2,490	220	<0.500	53.8	NT	-

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HISTORICAL POET SYSTEM DATA SUMMARY

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19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-INF	04/24/2009	-	-	16.3	<0.500	<0.500	10.9	21,200	3,390	418	<0.500	44.4	NT	-
1608-RAY-INF	05/18/2009	-	-	22.1	<0.500	<0.500	14.2	25,200	11,900	1,130	<0.500	61.2	NT	-
1608-RAY-INF	06/15/2009	-	-	27.0	<1.00	<1.00	17.9	10,700	3,100	260	<1.00	66.9	NT	-
1608-RAY-INF	07/14/2009	-	-	1.69	<0.500	<0.500	1.28	6,540	857	126	<0.500	28.0	NT	-
1608-RAY-INF	08/17/2009	-	-	1.03	<0.500	<0.500	1.97	6,050	1,070	119	<0.500	39.9	NT	-
1608-RAY-INF	09/21/2009	-	-	11.0	<0.500	<0.500	6.99	8,330	2,460	253	<0.500	42.4	NT	-
1608-RAY-INF	10/23/2009	-	-	9.33	<0.500	<0.500	6.22	11,800	1,490	299	<0.500	40.6	NT	-
1608-RAY-INF	11/23/2009	-	-	16.8	<0.500	<0.500	11.2	13,700	1,450	338	<0.500	38.5	NT	-
1608-RAY-INF	12/17/2009	-	-	13.5	<0.500	<0.500	8.61	11,700	3,790	326	<0.500	45.2	NT	-
1608-RAY-INF	01/19/2010	-	-	15.3	<0.500	<0.500	8.76	9,050	2,070	241	<0.500	40.1	NT	-
1608-RAY-INF	02/16/2010	-	-	9.73	<0.500	<0.500	6.14	10,300	1,880	268	<0.500	29.4	NT	-
1608-RAY-INF	03/18/2010	-	-	12.0	<0.500	<0.500	7.75	10,700	1,960	228	<0.500	39.2	NT	-
1608-RAY-INF	04/19/2010	-	-	12.9	<0.500	<0.500	7.92	8,270	1,720	210	<0.500	41.4	NT	-
1608-RAY-INF	05/17/2010	-	-	6.21	<0.500	<0.500	3.27	8,700	3,900	102	<0.500	29.1	NT	-
1608-RAY-INF	06/14/2010	-	-	8.08	<0.500	<0.500	5.07	10,000	923	145	<0.500	33.4	NT	-
1608-RAY-INF	07/21/2010	-	-	7.63	<0.500	<0.500	4.29	7,510	976	104	<0.500	27.2	NT	-
1608-RAY-INF	08/18/2010	-	-	7.72	<0.500	<0.500	3.91	8,640	1,680	130	<0.500	30.2	NT	-
1608-RAY-INF	09/24/2010	-	-	7.90	<0.500	<0.500	4.37	7,980	2,690	149	<0.500	35.6	NT	-
1608-RAY-INF	10/15/2010	-	-	7.39	<0.500	<0.500	4.04	6,680	962	149	<0.500	31.4	NT	-
1608-RAY-INF	11/12/2010	-	-	7.62	<0.500	<0.500	4.32	10,500	3,650	399	<0.500	36.9	NT	NT
1608-RAY-INF	12/15/2010	-	-	7.95	<0.500	<0.500	3.52	18,400	2,330	222	<0.500	32.3	NT	NT
1608-RAY-INF	01/20/2011	-	-	8.70	<0.500	<0.500	6.62	10,100	2,010	199	<0.500	37.6	NT	NT
1608-RAY-INF	02/14/2011	-	-	6.13	<0.500	<0.500	2.21	14,800	3,960	347	<0.500	30.0	NT	NT
1608-RAY-INF	03/18/2011	-	-	6.53	<0.500	<0.500	3.74	10,400	485	188	<0.500	19.3	NT	NT
1608-RAY-INF	04/19/2011	-	-	6.07	<0.500	<0.500	3.26	21,300	1,700	283	<0.500	43.1	NT	NT
1608-RAY-INF	05/02/2011	-	-	5.76	<0.500	<0.500	6.77	15,000	3,970	517	<0.500	43.2	0.580	<0.50
1608-RAY-INF	05/23/2011	-	-	4.41	<0.500	<0.500	2.27	1,310 QK	488	149 L1	<0.500	<0.500	NT	NT
1608-RAY-INF	06/24/2011	-	-	4.41	<0.50	<0.50	2.36	6,580	1,790	179	<0.50	30.7	NT	NT
1608-RAY-INF	07/19/2011	-	-	1.83	<0.50	<0.50	1.46	6,680	1,550	132	<0.50	26.9	NT	NT
1608-RAY-INF	08/23/2011	-	-	2.27	<0.50	<0.50	0.96	6,010	2,570	276	<0.50	23.1	NT	NT
1608-RAY-INF	09/29/2011	-	-	4	<0.50	<0.50	2.02	6,170	3,110	130	<0.50	25.7	NT	NT

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Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-INF	10/20/2011	-	-	2.93	<0.50	<0.50	1.05	9,320	1,780	190	<0.50	27.2	NT	NT
1608-RAY-INF	11/21/2011	-	-	4.4	<0.50	<0.50	2.51	6,390	1,570	178	<0.50	29.7	NT	NT
1608-RAY-INF	12/19/2011	-	-	4.83	<0.50	<0.50	2.54	5,180	1,460	87	<0.50	27.9	NT	NT
1608-RAY-INF	01/26/2012	-	-	2.23	<0.50	<0.50	1.09	6,060	1,170	82	<0.50	33.4	NT	NT
1608-RAY-INF	02/23/2012	-	-	2.05	<0.50	<0.50	1.35	5,380	1,480	248	<0.50	23.6	NT	NT
1608-RAY-INF	03/23/2012	-	-	2.09	<0.50	<0.50	0.840	815	852	64.0	<0.50	21.1	NT	NT
1608-RAY-INF	04/26/2012	-	-	3.38	<0.50	<0.50	1.47	5,840	1,460	93.8	<0.50	20.2	NT	NT
1608-RAY-INF	05/17/2012	-	-	2.36	<0.500	<0.500	0.82	3,320	507	76.1	<0.500	15.9	NT	NT
1608-RAY-INF	06/26/2012	-	-	2.37	<0.500	<0.500	1.48	2,020	1,170	96.1	<0.500	15.0	NT	NT
1608-RAY-INF	07/25/2012	-	-	4.33	<0.500	<0.500	1.86	7,890	3,280	120	<0.500	27.6	NT	NT
1608-RAY-INF	08/28/2012	-	-	3.38	<0.500	<0.500	2.08	4,750	1,310	79.9	<0.500	19.2	NT	NT
1608-RAY-INF	09/24/2012	-	-	2.20	<0.500	<0.500	1.32	1,590 QK	661 QK	50.6	<0.500	9.79	NT	NT
1608-RAY-INF	10/24/2012	-	-	2.73	<0.500	<0.500	1.59	4,120	1,210	129	<0.500	<0.500	NT	NT
1608-RAY-INF	11/20/2012	-	-	3.35	<0.500	<0.500	1.50	4,680	1,470	116	<0.500	26.9	NT	NT
1608-RAY-INF	12/20/2012	-	-	3.95	<0.500	<0.500	2.43	2,940 QK	1,190 QK	84.8	<0.500	16.2	NT	NT
1608-RAY-INF	01/22/2013	-	-	2.92	<0.500	<0.500	2.02	4,770	1,410	132	<0.500	21.6	NT	NT
1608-RAY-INF	02/13/2013	-	-	3.73	<0.500	<0.500	1.94	2,900 QK	2,080 QK	133 QK	<0.500	30.1	NT	NT
1608-RAY-INF	03/26/2013	-	-	5.27	<0.500	<0.500	3.37	3,770 QK	1,760 QK	135 QK	<0.500	30.3	NT	NT
1608-RAY-INF	04/23/2013	-	-	3.09	<0.500	<0.500	1.83	4,630	2,360	94.3	<0.500	21.4	NT	NT
1608-RAY-INF	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	2,860 QK	1,270 QK	71.6	<0.500	22.3	NT	NT
1608-RAY-INF	06/27/2013	-	-	2.59	<0.500	<0.500	1.06	2,980	801	97.0	<0.500	20.8	NT	NT
1608-RAY-INF	07/25/2013	-	-	2.14	<0.500	<0.500	0.760	5,420	1,520	77.5	<0.500	21.6	NT	NT
1608-RAY-INF	08/22/2013	-	-	1.64	<0.500	<0.500	0.660	7,260	1,030	68.6	<0.500	14.9	NT	NT
1608-RAY-INF	09/20/2013	-	-	1.74	<0.500	<0.500	0.620	7,100	1,580	66.4	<0.500	15.2	NT	NT
1608-RAY-INF	10/23/2013	-	-	2.11	<0.500	<0.500	1.05	2,950	688	68.3	<0.500	14.3	NT	NT
1608-RAY-INF	11/13/2013	-	-	1.75	<0.500	<0.500	<1.00	2,730	660	58.2	<0.500	11.7	NT	NT
1608-RAY-INF	07/25/2014	-	-	1.93	<0.500	<0.500	<1.00	2,340	504	48.1	<0.500	10.4	NT	NT
1608-RAY-INF	08/27/2014	-	-	3.23	<0.500	<0.500	1.73	2,950	991	65.1	<0.500	<0.50	NT	NT
1608-RAY-INF	09/03/2014	-	-	0.96	<0.500	<0.500	<1.00	1,780	268	30.7	<0.500	<0.50	NT	NT
1608-RAY-INF	09/04/2014	-	-	1.73	<0.500	<0.500	<1.00	1,590	433	30.3	<0.500	<0.50	NT	NT
1608-RAY-INF	09/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	1,680	97.3	42.5	<0.500	9.2	NT	NT

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Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-INF	10/31/2014	-	-	0.70	<0.500	<0.500	<1.00	1,760	149	26.5	<0.500	6.63	NT	NT
1608-RAY-INF	11/25/2014	-	-	0.93	<0.500	<0.500	<1.00	1,270	185	26.3	<0.500	6.62	NT	NT
1608-RAY-INF	12/17/2014	-	-	<0.500	<0.500	<0.500	<1.00	706	94.4	18.6	<0.500	5.14	NT	NT
1608-RAY-INF	07/29/2020	-	-	<0.10	45	<0.10	<0.10	4.4	<2.5	0.25 J	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	11/04/2020	-	-	<0.10	0.21 J	<0.10	<0.10	2.3	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	02/04/2021	-	-	<0.10	<0.10	<0.10	<0.10	3	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	05/12/2021	-	-	<0.10	<0.10	<0.10	<0.10	3.1	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	08/10/2021	-	-	<0.10	<0.10	<0.10	<0.10	0.80	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	11/12/2021	-	-	<0.10	<0.10	<0.10	<0.10	1.9	<2.5	<0.10	<0.10	0.12 J	<0.20	<0.10
1608-RAY-INF	02/23/2022	-	-	<0.10	<0.10	<0.10	<0.10	1.5	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	05/12/2022	-	-	<0.10	<0.10	<0.10	<0.10	1.7	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-INF	08/29/2022	-	-	<0.10	<0.10	<0.10	<0.10	3.8	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1608-RAY-MID1	03/13/2006	-	-	<0.5	<0.7	<0.8	<0.8	<0.5	-	-	-	-	NT	-
1608-RAY-MID1	04/11/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	33	<0.5	-	<0.5	NT	-
1608-RAY-MID1	04/20/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1608-RAY-MID1	05/12/2006	-	-	<0.1	<0.1	<0.1	<0.2	0.1 J	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	06/14/2006	-	-	<0.1	<0.1	0.1 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	07/18/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	08/10/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	9.2 J	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	09/14/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	43	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	10/19/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	130	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	11/27/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	200	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	12/21/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	01/18/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	02/27/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	16 J	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	03/21/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	47	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	04/23/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	05/24/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	06/19/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	07/18/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	08/07/2007	-	-	<0.1	<0.1	0.1 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-



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19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-MID1	09/10/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	10/10/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	11/05/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	12/05/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	5.3 J	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	01/17/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	110	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	02/20/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	400	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	03/20/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	730	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	04/22/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	1,000	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	05/13/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	8.5 J	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	06/19/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	07/22/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	08/13/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	09/24/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	10/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	7.8 J	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	11/18/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	31	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	12/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	110	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	01/16/2009	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	250	<0.1	<0.1	<0.1	NT	-
1608-RAY-MID1	02/09/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	301	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID1	03/11/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	1,020	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID1	04/24/2009	-	-	<0.500	<0.500	<0.500	<0.500	0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID1	05/18/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID1	06/15/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID1	07/14/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	08/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	09/21/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	10/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	11/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	12/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	01/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	02/16/2010	-	-	<0.500	<0.500	<0.500	<0.500	0.81	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	03/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-MID2	04/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	05/17/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	06/14/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	07/21/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	08/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	09/24/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	10/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-MID2	11/12/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	12/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	01/20/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	02/14/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	03/18/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	04/19/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	05/23/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	06/24/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	07/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	08/23/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	09/29/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	10/20/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	11/21/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	12/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	01/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	02/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	03/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	04/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.50	<0.50	NT	NT
1608-RAY-MID2	05/17/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	18.0	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	06/26/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	07/25/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	08/28/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	09/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	10/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-MID2	11/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	12/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	01/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	02/13/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	03/26/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	04/23/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	3.74	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	225	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	06/27/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	07/25/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	08/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	09/20/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	10/23/2013	-	-	<0.500	<0.500	<0.500	<1.0	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-MID2	11/13/2013	-	-	<0.500	<0.500	<0.500	<1.0	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	11/21/2005	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1608-RAY-EFF	01/03/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1608-RAY-EFF	03/13/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	03/14/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1608-RAY-EFF	04/20/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1608-RAY-EFF	05/11/2006	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	-	<0.5	NT	-
1608-RAY-EFF	05/12/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	06/14/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	07/18/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	08/10/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	09/14/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	10/19/2006	-	-	<0.1	<0.1	<0.1	<0.2	0.1 J	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	11/27/2006	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	12/21/2006	-	-	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	01/18/2007	-	-	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	02/27/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	03/21/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	04/23/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-EFF	04/01/2007	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	05/24/2007	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	06/19/2007	-	-	<0.1	<0.1	0.1 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	07/18/2007	-	18,200	<0.1	<0.1	0.1 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	08/07/2007	-	-	<0.1	<0.1	0.3 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	09/10/2007	-	19,821	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	10/10/2007	-	20,749	<0.1	<0.1	0.2 J	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	11/05/2007	-	21,519	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	12/05/2007	-	22,400	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	01/17/2008	-	23,600	<0.1	<0.1	0.3 J	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	02/20/2008	-	24,700	<0.1	<0.1	0.1 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	03/20/2008	-	25,700	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	04/22/2008	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	12 J	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	05/06/2008	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	05/13/2008	-	27,300	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	06/19/2008	-	28,400	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	07/22/2008	-	29,100	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	08/13/2008	-	30,000	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	09/24/2008	-	31,000	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	10/16/2008	-	31,600	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	11/18/2008	-	32,500	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	12/16/2008	-	33,100	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	01/16/2009	-	33,500	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1608-RAY-EFF	02/09/2009	-	34,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	03/11/2009	-	35,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	03/19/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	04/24/2009	-	36,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	05/15/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	05/18/2009	-	37,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	06/15/2009	-	37,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	07/14/2009	-	38,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-



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19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-EFF	08/10/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	08/17/2009	-	39,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	09/21/2009	-	40,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	10/23/2009	-	41,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	11/23/2009	-	42,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	12/17/2009	-	43,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	01/19/2010	-	43,900	<0.500	<0.500	<0.500	<0.500	<0.500	19.6	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	02/08/2010	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	02/16/2010	-	44,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	03/18/2010	-	45,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	04/19/2010	-	46,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	05/17/2010	-	47,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	06/14/2010	-	47,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	07/21/2010	-	48,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	08/18/2010	-	49,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	09/03/2010	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	09/24/2010	-	50,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	10/15/2010	-	50,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1608-RAY-EFF	11/12/2010	-	51,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	12/15/2010	-	51,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	01/20/2011	-	52,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	02/14/2011	-	53,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	03/18/2011	-	54,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	04/19/2011	-	55,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	05/23/2011	-	56,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	06/24/2011	-	57,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	07/19/2011	-	58,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	08/23/2011	-	59,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	09/27/2011	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	09/29/2011	-	60,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	10/20/2011	-	60,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-EFF	11/21/2011	-	61,700	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-EFF	12/19/2011	-	62,700	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-EFF	01/26/2012	-	63,900	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-EFF	02/23/2012	-	64,800	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-EFF	03/23/2012	-	65,800	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-EFF	04/26/2012	-	66,500	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1608-RAY-EFF	05/17/2012	-	67,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	06/08/2012	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	06/26/2012	-	67,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	07/25/2012	-	68,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	08/28/2012	-	68,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	09/24/2012	-	69,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	10/24/2012	-	69,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	11/20/2012	-	69,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	12/20/2012	-	70,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	01/22/2013	-	70,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	02/13/2013	-	70,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	03/26/2013	-	71,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	04/23/2013	-	72,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	05/21/2013	-	72,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	06/03/2013	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	06/27/2013	-	73,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	07/25/2013	-	73,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	08/22/2013	-	74,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	09/20/2013	-	74,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	10/23/2013	-	75,088	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	11/13/2013	-	75,166	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1608-RAY-EFF	07/25/2014	-	75,178	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	08/06/2014	CARBON CHANGE	75,195	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	08/27/2014	-	75,196	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	09/04/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1608-RAY-EFF	09/18/2014	-	75,331	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	10/31/2014	-	75,406	-	-	-	-	-	-	-	-	-	-	-
1608-RAY-EFF	12/17/2014	-	75,586	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-INF	11/03/2005	-	-	<0.5	△0.5	<0.5	△0.5	3.8	<10	<0.5	-	△0.5	NT	-
1612-RAY-INF	03/30/2006	-	-	<0.1	△0.1	<0.1	△0.2	3.7	△5	<0.1	<0.1	△0.1	NT	-
1612-RAY-INF	05/12/2006	-	-	<0.1	△0.1	<0.1	△0.2	4.4	△5	<0.1	<0.1	△0.1	NT	-
1612-RAY-INF	06/14/2006	-	-	<0.1	△0.1	<0.1	△0.2	3.8	△5	<0.1	<0.1	△0.1	NT	-
1612-RAY-INF	07/18/2006	-	-	0.2 J	△0.1	<0.1	△0.2	4.7	△5	0.1 J	<0.1	△0.1	NT	-
1612-RAY-INF	08/10/2006	-	-	<0.1	△0.1	<0.1	△0.2	6.2	△5	0.1 J	<0.1	△0.1	NT	-
1612-RAY-INF	09/14/2006	-	-	<0.1	△0.1	<0.1	△0.2	5.9	△5	0.1 J	<0.1	△0.1	NT	-
1612-RAY-INF	10/19/2006	-	-	<0.1	△0.1	<0.1	△0.2	5.9	△5	0.1 J	<0.1	△0.1	NT	-
1612-RAY-INF	11/27/2006	-	-	<0.1	△0.1	<0.1	△0.2	5.7	△5	0.1 J	<0.1	△0.1	NT	-
1612-RAY-INF	12/21/2006	-	-	<0.1	△0.1	<0.1	△0.2	5.6	△5	0.1 J	<0.1	△0.1	NT	-
1612-RAY-INF	01/18/2007	-	-	<0.1	△0.1	<0.1	△0.2	7.5	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	02/27/2007	-	-	0.1 J	△0.1	<0.1	△0.2	7.4	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	03/21/2007	-	-	<0.1	△0.1	<0.1	△0.2	8.1	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	04/23/2007	-	-	<0.1	△0.1	<0.1	△0.2	11	△5	0.3 J	<0.1	0.1 J	NT	-
1612-RAY-INF	05/24/2007	-	-	<0.1	△0.1	<0.1	△0.2	9.4	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	06/19/2007	-	-	<0.1	△0.1	<0.1	△0.2	9.3	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	07/18/2007	-	-	<0.1	△0.1	<0.1	△0.2	10	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	08/07/2007	-	-	<0.1	△0.1	<0.1	△0.2	8.8	△5	0.2 J	<0.1	△0.1	NT	-
1612-RAY-INF	09/10/2007	-	-	<0.1	△0.1	<0.1	△0.2	11	△5	0.3 J	<0.1	0.1 J	NT	-
1612-RAY-INF	10/10/2007	-	-	<0.1	△0.1	<0.1	△0.2	13	△5	0.3 J	<0.1	0.1 J	NT	-
1612-RAY-INF	11/05/2007	-	-	<0.1	△0.1	<0.1	△0.2	13	△5	0.4 J	<0.1	0.1 J	NT	-
1612-RAY-INF	12/05/2007	-	-	<0.1	△0.1	<0.1	△0.2	16	△5	0.4	<0.1	0.2	NT	-
1612-RAY-INF	01/17/2008	-	-	<0.1	△0.1	<0.1	△0.1	13	△5	0.5 J	<0.1	0.2 J	NT	-
1612-RAY-INF	02/20/2008	-	-	0.1 J	△0.1	<0.1	△0.2	16	6.2 J	0.5 J	<0.1	0.2 J	NT	-
1612-RAY-INF	03/20/2008	-	-	<0.1	△0.1	<0.1	△0.2	15	△5	0.4 J	<0.1	0.2 J	NT	-
1612-RAY-INF	04/22/2008	-	-	<0.1	△0.1	<0.1	△0.1	16	9.5 J	0.5	<0.1	0.2 J	NT	-
1612-RAY-INF	05/13/2008	-	-	0.4 J	△0.1	<0.1	0.1 J	26	7.7 J	1.1	<0.1	0.3 J	NT	-
1612-RAY-INF	06/19/2008	-	-	0.1 J	△0.1	<0.1	△0.2	13	△5	0.4 J	<0.1	0.2 J	NT	-

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19200 Middletown Rd
Parkton, MD

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GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	07/22/2008	-	-	<0.1	<0.1	<0.1	<0.2	15	<5	0.4 J	<0.1	0.2 J	NT	-
1612-RAY-INF	08/13/2008	-	-	<0.1	<0.1	<0.1	<0.2	13	<5.0	0.3 J	<0.1	0.1 J	NT	-
1612-RAY-INF	09/24/2008	-	-	<0.1	<0.1	<0.1	<0.2	19	<5	0.6	<0.1	0.2 J	NT	-
1612-RAY-INF	10/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	19	<5	0.7	<0.1	0.2 J	NT	-
1612-RAY-INF	11/18/2008	-	-	<0.1	<0.1	<0.1	<0.2	21	<5	0.6	<0.1	0.3 J	NT	-
1612-RAY-INF	12/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	21	<5	0.7	<0.1	0.3 J	NT	-
1612-RAY-INF	01/16/2009	-	-	0.2 J	<0.1	<0.1	<0.2	24	5.8 J	0.8	<0.1	0.3 J	NT	-
1612-RAY-INF	02/09/2009	-	-	<0.500	<0.500	<0.500	<0.500	21.2	<2.50	0.81	<0.500	<0.500	NT	-
1612-RAY-INF	03/11/2009	-	-	<0.500	<0.500	<0.500	<0.500	23.7	7.33	0.64	<0.500	<0.500	NT	-
1612-RAY-INF	04/24/2009	-	-	<0.500	<0.500	<0.500	<0.500	26.2	7.05	0.900	<0.500	<0.500	NT	-
1612-RAY-INF	05/18/2009	-	-	<0.500	<0.500	<0.500	<0.500	50.2	26.6	2.25	<0.500	<0.500	NT	-
1612-RAY-INF	06/15/2009	-	-	<1.00	<1.00	<1.00	<1.00	32.6	<5.00	1.14	<1.00	<1.00	NT	-
1612-RAY-INF	07/14/2009	-	-	<0.500	<0.500	<0.500	<0.500	21.7	9.26	0.740	<0.500	<0.500	NT	-
1612-RAY-INF	08/17/2009	-	-	<0.500 AE	<0.500 AE	<0.500 AE	<0.500 AE	17.4 AE	<2.50 AE	<0.500 AE	<0.500 AE	<0.500 AE	NT	-
1612-RAY-INF	09/21/2009	-	-	<0.500	<0.500	<0.500	<0.500	25.9	4.14	0.960	<0.500	<0.500	NT	-
1612-RAY-INF	10/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	21.9	5.08	0.94	<0.500	<0.500	NT	-
1612-RAY-INF	11/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	25.0	9.09	1.04	<0.500	<0.500	NT	-
1612-RAY-INF	12/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	23.2	6.05	0.82	<0.500	<0.500	NT	-
1612-RAY-INF	01/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	12.2	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-INF	02/16/2010	-	-	<0.500	<0.500	<0.500	<0.500	13.2	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-INF	03/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	19.8	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-INF	04/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	11.0	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-INF	05/17/2010	-	-	<0.500	<0.500	<0.500	<0.500	13.8	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-INF	06/14/2010	-	-	<0.500	<0.500	<0.500	<0.500	18.7	<2.50	0.610	<0.500	<0.500	NT	-
1612-RAY-INF	07/21/2010	-	-	<0.500	<0.500	<0.500	<0.500	22.2	<2.50	0.790	<0.500	<0.500	NT	-
1612-RAY-INF	08/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	27.9	7.80	0.920	<0.500	<0.500	NT	-
1612-RAY-INF	09/24/2010	-	-	<0.500	<0.500	<0.500	<0.500	27.7	<2.50	0.890	<0.500	<0.500	NT	-
1612-RAY-INF	10/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	29.0	7.00	0.940	<0.500	<0.500	NT	-
1612-RAY-INF	11/12/2010	-	-	<0.500	<0.500	<0.500	<0.500	36.4	9.42	1.17	<0.500	0.530	NT	NT
1612-RAY-INF	12/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	38.2	4.48	1.06	<0.500	<0.500	NT	NT
1612-RAY-INF	01/20/2011	-	-	<0.500	<0.500	<0.500	<0.500	28.0	<2.50	0.960	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	02/14/2011	-	-	<0.500	<0.500	<0.500	<0.500	24.4	<2.50	0.930	<0.500	<0.500	NT	NT
1612-RAY-INF	03/18/2011	-	-	<0.500	<0.500	<0.500	<0.500	26.6	<2.50	1.42	<0.500	<0.500	NT	NT
1612-RAY-INF	04/19/2011	-	-	0.620	<0.500	<0.500	<0.500	67.2	8.68	2.32	<0.500	<0.500	NT	NT
1612-RAY-INF	05/02/2011	-	-	<0.5	<0.5	<0.5	<1.0	57.5	<2.5	1.9	<0.5	<0.5	NT	0.5 V4
1612-RAY-INF	05/23/2011	-	-	<0.500	<0.500	<0.500	<0.500	30.6	<2.50	0.930	<0.500	<0.500	NT	NT
1612-RAY-INF	06/24/2011	-	-	<0.50	<0.50	<0.50	<0.50	25.2	<2.50	0.76	<0.50	<0.50	NT	NT
1612-RAY-INF	07/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	40.2	<2.50	1.25	<0.50	<0.50	NT	NT
1612-RAY-INF	08/23/2011	-	-	<0.50	<0.50	<0.50	<0.50	20.3	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	09/29/2011	-	-	<0.50	<0.50	<0.50	<0.50	11.6	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	10/20/2011	-	-	<0.50	<0.50	<0.50	<0.50	15.0	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	11/22/2011	-	-	<0.50	<0.50	<0.50	<0.50	26.4	<2.50	0.85	<0.50	<0.50	NT	NT
1612-RAY-INF	12/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	17	4.11	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	01/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	17.6	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	02/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	18.4	5.32	0.600	<0.50	<0.50	NT	NT
1612-RAY-INF	03/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	15.7	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	04/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	18.1	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-INF	05/17/2012	-	-	<0.500	<0.500	<0.500	<0.500	15.2	4.47	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	06/26/2012	-	-	<0.500	<0.500	<0.500	<0.500	19.0	4.73	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	07/25/2012	-	-	<0.500	<0.500	<0.500	<0.500	28.7	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	08/28/2012	-	-	<0.500	<0.500	<0.500	<0.500	15.4	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	09/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	7.65	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	10/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	18.8	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	11/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	20.1	<2.50	0.620	<0.500	<0.500	NT	NT
1612-RAY-INF	12/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	12.6	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	01/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	18.1	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	02/13/2013	-	-	<0.500	<0.500	<0.500	<0.500	22.9	4.36	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	03/26/2013	-	-	<0.500	<0.500	<0.500	<0.500	12.9	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	04/23/2013	-	-	<0.500	<0.500	<0.500	<0.500	8.25	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	7.43	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	06/27/2013	-	-	<0.500	<0.500	<0.500	<0.500	9.48	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	07/25/2013	-	-	<0.500	<0.500	<0.500	<0.500	10.4	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	08/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	9.77	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	09/20/2013	-	-	<0.500	<0.500	<0.500	<0.500	8.86	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-INF	10/23/2013	-	-	<0.500	<0.500	<0.500	<1.00	7.96	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	11/13/2013	-	-	<0.500	<0.500	<0.500	<1.00	6.24	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	12/06/2013	-	-	<0.500	<0.500	<0.500	<1.00	5.27	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	02/27/2014	-	-	<0.500	<0.500	<0.500	<1.00	12.9	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	07/25/2014	-	-	<0.500	<0.500	<0.500	<1.00	2.48	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	08/27/2014	-	-	<0.500	<0.500	<0.500	<1.00	1.79	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	09/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	1.72	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	10/31/2014	-	-	<0.500	<0.500	<0.500	<1.00	2.06	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	12/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	1.83	<2.50	<0.500	<0.500	<0.500	NT	<0.5
1612-RAY-INF	01/29/2015	-	-	<0.1	<0.1	<0.1	<0.1	2.2	<2.50	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	02/16/2015	-	-	<0.1	<0.1	<0.1	<0.1	1.8	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	03/19/2015	-	-	<0.1	<0.1	<0.1	<0.1	3.5	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	04/08/2015	-	-	<0.1	<0.1	<0.1	<0.1	1.2	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	05/20/2015	-	-	<0.1	<0.1	<0.1	<0.1	2	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	08/11/2015	-	-	<0.1	<0.1	<0.1	<0.1	2	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	11/03/2015	-	-	<0.1	<0.1	<0.1	<0.1	1.4	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	02/10/2016	-	-	<0.1	<0.1	<0.1	<0.1	1.7	2.7 J	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	1.3	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	08/02/2016	-	-	<0.1	<0.1	<0.1	NA	1.5	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	11/09/2016	-	-	<0.1	<0.1	<0.1	<0.1	1.1	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	01/24/2017	-	-	<0.1	<0.1	<0.1	<0.1	1.4	<2.5	<0.1	<0.1	<0.1	NT	<0.1
1612-RAY-INF	05/04/2017	-	-	<0.1	<0.1	<0.1	<0.1	1.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	08/02/2017	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/08/2017	-	-	<0.1	<0.1	<0.1	<0.1	0.8	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/13/2018	-	-	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.6	0.90 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1612-RAY-INF	05/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	0.9	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	08/21/2018	-	-	<0.1	15	<0.1	<0.1	0.3 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/05/2019	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-INF	05/08/2019	-	-	<0.1	<0.1	<0.1	<0.1	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	09/26/2019	-	-	<0.1	<0.1	<0.1	<0.3	0.5	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	11/05/2019	-	-	<0.1	<0.1	<0.1	<0.3	0.4 J	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	02/05/2020	-	-	<0.1	<0.1	<0.1	<0.3	0.7	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-INF	06/30/2020	-	-	<0.10	<0.10	<0.10	<0.10	0.31 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	09/01/2020	-	-	<0.10	<0.10	<0.10	<0.10	0.43 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	11/04/2020	-	-	<0.10	<0.10	<0.10	<0.10	0.40 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	02/05/2021	-	-	<0.10	<0.10	<0.10	<0.10	0.62	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	05/12/2021	-	-	<0.10	<0.10	<0.10	<0.10	0.33 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	08/11/2021	-	-	<0.10	<0.10	<0.10	<0.10	0.27 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	11/10/2021	-	-	<0.10	<0.10	<0.10	<0.10	0.39 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	02/23/2022	-	-	<0.10	<0.10	<0.10	<0.10	0.30 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	05/10/2022	-	-	<0.10	<0.10	<0.10	<0.10	0.31 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-INF	08/25/2022	-	-	<0.10	<0.10	<0.10	<0.10	0.34 J	<2.5	<0.10	<0.10	<0.10	<0.20	<0.10
1612-RAY-MID	06/19/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	07/22/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	08/13/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	09/24/2008	-	-	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	10/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	11/18/2008	-	-	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	12/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	01/16/2009	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-MID	02/09/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	03/11/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	04/24/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	05/18/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	06/15/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	07/14/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	08/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	09/21/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	10/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-MID	11/23/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	12/17/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	01/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	02/16/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	03/18/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	04/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	05/17/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	06/14/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	5.54	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	07/21/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	08/19/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	6.20	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	09/24/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	10/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-MID	11/12/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	12/15/2010	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	01/20/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	02/14/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	03/18/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	04/19/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	05/23/2011	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	06/24/2011	-	-	<0.50	<0.500	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	07/19/2011	-	-	<0.50	<0.500	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	08/23/2011	-	-	<0.50	<0.500	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	09/29/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	10/20/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	11/22/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	12/19/2011	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	01/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	02/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	03/23/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	04/26/2012	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-MID	05/17/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-MID	06/26/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	07/25/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	08/28/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	09/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	10/24/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	11/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	12/20/2012	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	01/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	02/13/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	4.68	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	03/26/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	04/23/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	06/27/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	07/25/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	08/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	09/20/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	10/23/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	11/13/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	12/06/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1612-RAY-MID	02/27/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	07/25/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	12/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	01/29/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	04/08/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/11/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/03/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	02/10/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/02/2016	-	-	<0.1	<0.1	<0.1	NA	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/09/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	01/24/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-MID	05/04/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/02/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/08/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	02/13/2018	-	-	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.96 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1612-RAY-MID	05/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/21/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	02/05/2019	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	05/08/2019	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	06/19/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	07/22/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	08/13/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	09/24/2008	-	-	<0.1	<0.1	0.8	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	10/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	11/18/2008	-	-	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	12/16/2008	-	15,200	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	01/16/2009	-	17,800	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	02/09/2009	-	19,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	03/11/2009	-	21,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	03/19/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	04/24/2009	-	24,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	05/18/2009	-	26,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	06/15/2009	-	28,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	07/14/2009	-	31,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	08/17/2009	-	34,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	09/21/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	10/23/2009	-	39,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	11/23/2009	-	41,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	12/17/2009	-	43,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	01/19/2010	-	45,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	02/16/2010	-	47,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	03/18/2010	-	49,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	04/19/2010	-	52,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	05/17/2010	-	53,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	06/14/2010	-	54,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	07/21/2010	-	63,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	08/19/2010	-	64,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	09/03/2010	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	09/24/2010	-	65,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	10/15/2010	-	66,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	11/12/2010	-	66,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	12/15/2010	-	67,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	01/20/2011	-	68,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	02/14/2011	-	69,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	03/18/2011	-	70,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	04/19/2011	-	71,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	05/23/2011	-	73,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	06/24/2011	-	74,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	07/19/2011	-	76,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	08/23/2011	-	78,100	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	09/27/2011	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	09/29/2011	-	79,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	10/20/2011	-	80,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	11/22/2011	-	81,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	12/19/2011	-	82,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	01/26/2012	-	84,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	02/23/2012	-	85,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	03/23/2012	-	86,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	04/26/2012	-	87,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	05/17/2012	-	88,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	06/26/2012	-	89,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	07/25/2012	-	91,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	08/28/2012	-	92,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	09/24/2012	-	93,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	10/24/2012	-	94,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	11/20/2012	-	95,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	12/20/2012	-	96,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	01/22/2013	-	97,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	02/13/2013	-	98,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	03/13/2013	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	03/26/2013	-	100,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	04/23/2013	-	101,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	05/21/2013	-	102,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	06/27/2013	-	104,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	07/25/2013	-	106,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	08/22/2013	-	107,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	09/20/2013	-	108,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	10/23/2013	-	109,336	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	11/13/2013	-	110,043	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	12/06/2013	-	110,861	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1612-RAY-EFF	02/27/2014	-	111,131	<0.500	<0.500	<0.500	<1.00	2.22	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	03/18/2014	CARBON CHANGE	111,100	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	07/25/2014	-	112,038	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	08/27/2014	-	114,034	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	09/18/2014	-	115,135	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	10/31/2014	-	117,142	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	12/18/2014	-	118,847	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	01/29/2015	-	120,174	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/16/2015	-	120,555	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	03/19/2015	-	121,323	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	04/08/2015	-	122,123	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/11/2015	-	126,706	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/03/2015	-	130,842	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	02/10/2016	-	137,581	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/02/2016	-	150,678	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/09/2016	-	156,432	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	01/24/2017	-	160,380	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/04/2017	-	165,434	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/02/2017	-	170,645	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/08/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/13/2018	-	179,966	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.99 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1612-RAY-EFF	05/08/2018	-	183,856	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/21/2018	-	188,200	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/08/2018	-	191,378	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/05/2019	-	195,882	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/08/2019	-	198,202	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/10/2022	-	226,950	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	08/25/2022	-	229,442	-	-	-	-	-	-	-	-	-	-	-

Notes:

- In December 2014, 1608 Rayville Road was converted to recovery well RW-4 and the POET system was disconnected from use

- Analytical results dated from November 3, 2005 to August 23, 2011 (except May 2, 2011) are tabulated from prior consultant's, Environmental Alliance, *Table 1: POET System and Site Potable Well Analytical Data Summary* attached in the *Monthly Domestic Well POET Sampling Report*, dated September 26, 2011.

* GW Cleanup Standards are the Maryland Department of the Environment (MDE) Groundwater Clean-up Standards for Type I and II Aquifers (2018)

<# = Less than the method detection limit of #

<#¹ = Less than the method reporting limit of #

µg/L = Micrograms per liter

NR = Not Reported

NL = No Limit (Screening)

NT = Not Tabulated, historical laboratory analytical report available for specified date.

J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value

AE = Laboratory control sample (LCS) did not run due to autosampler error. Data accepted based on acceptable check standard quality control (QC).

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5

- QK = This result was above the calibration range; therefore it is an estimated value.
- MTBE = Methyl-tertiary butyl-ether
- INF = Influent sample location
- MID = Midfluent sample location
- MID1 = First midfluent sample location of a POET system with three carbon vessels.
- MID2 = Second midfluent sample location of a POET system with three carbon vessels.
- EFF = Effluent sample location
- RAY = Rayville Road
- = No data or no data available
- 2b = The spike recovery was outside acceptance limits for the matrix spike (MS) and/or matrix spike duplicate (msd).
- 2e = Continuous calibration verification (CCV) was out the quality control (QC) range. Data accepted based on additional batch QC.



Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

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19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-MID	01/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	02/13/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	4.68	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	03/26/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	04/23/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	05/21/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	06/27/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	07/25/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	08/22/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	09/20/2013	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-MID	10/23/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	11/13/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	12/06/2013	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5
1612-RAY-MID	02/27/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	07/25/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	12/18/2014	-	-	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-MID	01/29/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	04/08/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/11/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/03/2015	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	02/10/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/02/2016	-	-	<0.1	<0.1	<0.1	NA	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/09/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	01/24/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	05/04/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/02/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-MID	11/08/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	02/13/2018	-	-	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.96 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1612-RAY-MID	05/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	08/21/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	11/08/2018	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	02/05/2019	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-MID	05/08/2019	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	06/19/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	07/22/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	08/13/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5.0	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	09/24/2008	-	-	<0.1	<0.1	0.8	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	10/16/2008	-	-	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	11/18/2008	-	-	<0.1	<0.1	0.2 J	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	12/16/2008	-	15,200	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	01/16/2009	-	17,800	<0.1	<0.1	<0.1	<0.2	<0.1	<5	<0.1	<0.1	<0.1	NT	-
1612-RAY-EFF	02/09/2009	-	19,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	03/11/2009	-	21,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	03/19/2009	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	04/24/2009	-	24,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	05/18/2009	-	26,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	06/15/2009	-	28,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	07/14/2009	-	31,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	08/17/2009	-	34,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	09/21/2009	-	-	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	10/23/2009	-	39,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	11/23/2009	-	41,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	12/17/2009	-	43,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	01/19/2010	-	45,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	02/16/2010	-	47,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	03/18/2010	-	49,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	04/19/2010	-	52,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	05/17/2010	-	53,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	06/14/2010	-	54,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	07/21/2010	-	63,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	08/19/2010	-	64,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	09/03/2010	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	09/24/2010	-	65,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	10/15/2010	-	66,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	-
1612-RAY-EFF	11/12/2010	-	66,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	12/15/2010	-	67,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	01/20/2011	-	68,800	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	02/14/2011	-	69,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	03/18/2011	-	70,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	04/19/2011	-	71,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	05/23/2011	-	73,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	06/24/2011	-	74,400	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	07/19/2011	-	76,300	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	08/23/2011	-	78,100	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	09/27/2011	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	09/29/2011	-	79,600	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	10/20/2011	-	80,400	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	11/22/2011	-	81,800	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	12/19/2011	-	82,700	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	01/26/2012	-	84,300	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	02/23/2012	-	85,400	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	03/23/2012	-	86,500	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	04/26/2012	-	87,600	<0.50	<0.50	<0.50	<0.50	<0.50	<2.50	<0.50	<0.50	<0.50	NT	NT
1612-RAY-EFF	05/17/2012	-	88,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	06/26/2012	-	89,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	07/25/2012	-	91,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	08/28/2012	-	92,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	09/24/2012	-	93,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	10/24/2012	-	94,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	11/20/2012	-	95,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	12/20/2012	-	96,400	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	01/22/2013	-	97,700	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	02/13/2013	-	98,600	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	03/13/2013	CARBON CHANGE	-	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	03/26/2013	-	100,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	04/23/2013	-	101,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	05/21/2013	-	102,900	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	06/27/2013	-	104,500	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	07/25/2013	-	106,000	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	08/22/2013	-	107,200	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	09/20/2013	-	108,300	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50	<0.500	<0.500	<0.500	NT	NT
1612-RAY-EFF	10/23/2013	-	109,336	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	11/13/2013	-	110,043	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	12/06/2013	-	110,861	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5 2e	<0.5

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	02/27/2014	-	111,131	<0.500	<0.500	<0.500	<1.00	2.22	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	03/18/2014	CARBON CHANGE	111,100	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	07/25/2014	-	112,038	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	08/27/2014	-	114,034	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	09/18/2014	-	115,135	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	10/31/2014	-	117,142	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	12/18/2014	-	118,847	<0.500	<0.500	<0.500	<1.00	<0.500	<2.50	<0.500	<0.500	<0.500	<0.5	<0.5
1612-RAY-EFF	01/29/2015	-	120,174	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/16/2015	-	120,555	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	03/19/2015	-	121,323	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	04/08/2015	-	122,123	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/11/2015	-	126,706	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/03/2015	-	130,842	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/10/2016	-	137,581	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/03/2016	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/02/2016	-	150,678	<0.1	<0.1	<0.1	<0.3	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/09/2016	-	156,432	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	01/24/2017	-	160,380	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/04/2017	-	165,434	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/02/2017	-	170,645	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/08/2017	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/13/2018	-	179,966	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹	0.99 J	<3.0 ¹	<3.0 ¹	<0.5 ¹	<0.5 ¹	<0.5 ¹
1612-RAY-EFF	05/08/2018	-	183,856	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	08/21/2018	-	188,200	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	11/08/2018	-	191,378	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	02/05/2019	-	195,882	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5
1612-RAY-EFF	05/08/2019	-	198,202	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1	<0.1	<0.2	<0.1
1612-RAY-EFF	05/10/2022	-	226,950	-	-	-	-	-	-	-	-	-	-	-
1612-RAY-EFF	08/25/2022	-	229,442	-	-	-	-	-	-	-	-	-	-	-

Notes:

- In December 2014, 1608 Rayville Road was converted to recovery well RW-4 and the POET system was disconnected from use

- Analytical results dated from November 3, 2005 to August 23, 2011 (except May 2, 2011) are tabulated from prior consultant's, Environmental Alliance, *Table 1: POET System and Site Potable Well Analytical Data Summary* attached in the *Monthly Domestic Well POET Sampling Report*, dated September 26, 2011.

* GW Cleanup Standards are the Maryland Department of the Environment (MDE) Groundwater Clean-up Standards for Type I and II Aquifers (2018)

<# = Less than the method detection limit of #

<#¹ = Less than the method reporting limit of #

µg/L = Micrograms per liter

NR = Not Reported

NL = No Limit (Screening)

NT = Not Tabulated, historical laboratory analytical report available for specified date.

J = Detected between the Method Detection Limit (MDL) and the Reporting Limit (RL); therefore, result is an estimated value

AE = Laboratory control sample (LCS) did not run due to autosampler error. Data accepted based on acceptable check standard quality control (QC).

QK = This result was above the calibration range; therefore it is an estimated value.

MTBE = Methyl-tertiary butyl-ether

INF = Influent sample location

MID = Midfluent sample location

MID1 = First midfluent sample location of a POET system with three carbon vessels.

MID2 = Second midfluent sample location of a POET system with three carbon vessels.

EFF = Effluent sample location

RAY = Rayville Road

- = No data or no data available

Table 3

HISTORICAL POET SYSTEM DATA SUMMARY

Carroll Independent Fuel - Wally's
 19200 Middletown Rd
 Parkton, MD

Well ID	Date	Carbon Change	POET Totalizer (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Tert-Butyl Alcohol (µg/L)	Tert-amyl methyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Diisopropyl ether (µg/L)	Naphthalene (µg/L)	Tetrachloroethene (µg/L)
GW Clean-up Standards*				5	1,000	700	10,000	20	NL	NL	NL	NL	0.17	5

2b = The spike recovery was outside acceptance limits for the matrix spike (MS) and/or matrix spike duplicate (msd).

2e = Continuous calibration verification (CCV) was out the quality control (QC) range. Data accepted based on additional batch QC.



Table 4

MONITORING WELL CONSTRUCTION DETAILS

Carroll Independent Fuel - Wally's Citgo
19200 Middletown Rd
Parkton, MD

Well ID	Well Install Date	Well Diameter/ Material (Inches- PVC/Open)	Total Depth Of Well from Ground Surface (ft)	Depth to T.O.S. from Ground Surface (ft)	Depth to B.O.S. from Ground Surface (ft)	Drilling method	Depth to Bedrock (ft)	Depth of Potential Water-Bearing Zones (ft) ¹	Initial Water Depth (ft)*	Geophysics (Y/N)	Packer Testing (Y/N)	Comments
MW-1	08/09/05	2-PVC	62	37	62	Air Rotary	33	47, 52-54	41.25	N	N	
MW-2	08/10/05	2-PVC	62	40	60	Air Rotary	34	43, 47-49, 54	42.66	N	N	
MW-3	08/09/05	2-PVC	62	42	62	Air Rotary	32	52, 57	41.35	N	N	
MW-3S	08/30/06	2-PVC	30	5	30	Air Rotary	28	NE****	Dry	N	N	Abandoned 01/23/08
MW-4	11/09/05	2-PVC	61	40	60	Air Rotary	36	42-44, 46-47	40.79	N	N	
MW-5	11/09/05	2-PVC	51	30.5	50.5	Air Rotary	18	33.5, 36-37,39	40.75	N	N	
MW-5B	07/02/08	6- OPEN **	100	70	100	Air Rotary	20	51, 64, 80, 89, 92, 95	Dry	N	N	
MW-6	11/10/05	2-PVC	62	40.5	60.5	Air Rotary	24	50-52, 54	43.74	N	N	
MW-7A	08/29/06	6-OPEN**	65	40	65	Air Rotary	37	46-51, 55-56, 60-62	44.47	Y	Y	Geophysics 46, 51
MW-7B	08/31/06	6-OPEN**	120^	70	120	Air Rotary	38	101, 216	>200	Y	Y	Reconstructed July-08
MW-8A	08/29/06	6-OPEN**	65	40	65	Air Rotary	48	48-53, 60-62	41.94	Y	Y	Geophysics 48, 53, 62
MW-8B	08/29/06	6-OPEN**	100	73.5	100	Air Rotary	48	85, 94	95.78	Y	Y	Geophysics 85, 94
MW-9A	08/30/06	6-OPEN**	62	40	65	Air Rotary	33	40-51, 56-58	41.04	Y	Y	Geophysics 51, 56
MW-9B	08/30/06	6-OPEN**	120^	72	120	Air Rotary	33	99, 141, 186-190, 220	>200	Y	Y	Geophysics 99, 141, 186, 220
MW-10A	05/08/07	6-OPEN**	62	40	62	Air Rotary	36	60-61	35.77	N	N	
MW-10B	05/08/07	6-OPEN**	100	70	100	Air Rotary	38	NE****	89	N	N	
MW-11A	06/26/08	6-OPEN**	60	40	60	Air Rotary	30	NE****	44.53	N	N	
MW-11B	06/26/08	6-OPEN**	100	70	100	Air Rotary	30	80, 85, 90	41.6	N	N	
MW-12B	07/02/08	6-OPEN**	100	70	100	Air Rotary	31	64	>75	N	N	
MW-13A	07/01/08	6-OPEN**	60	40	60	Air Rotary	38	50, 53	41.5	N	N	Abandoned 05/11/21
MW-13B	07/01/08	6-OPEN**	100	70	100	Air Rotary	38	50, 53, 72, 80, 90	>75	N	N	Abandoned 05/11/21
MW-14A	06/27/08	6-OPEN**	60	40	60	Air Rotary	38	54, 57, 60	41.18	N	N	
MW-14B	06/27/08	6-OPEN**	100	70	100	Air Rotary	38	54, 57, 60, 78, 81, 89	>75	N	N	
MW-15	05/12/10	6-OPEN**	120	40.5	120	Air Rotary	28	54, 57, 77, 85	54	Y	N	Geophysics 55-60
MW-16A	05/17/10	6-OPEN**	65	40.5	65	Air Rotary	34	49-50, 55, 58-59	49	N	N	
MW-16B	05/18/10	6-OPEN**	120	70.5	120	Air Rotary	32	54.5, 56, 75, 112-113	75	N	N	
MW-17A	05/14/10	6-OPEN**	65	40.5	65	Air Rotary	27	55, 57, 63.5	55	N	N	
MW-17B	05/17/10	6-OPEN**	120	70.5	120	Air Rotary	26	55, 62, 64.5, 69.5, 87	87	N	N	
MW-18A	05/13/10	6-OPEN**	65	40.5	65	Air Rotary	25	51-52, 54-55, 63.5	51	N	N	
MW-18B	05/14/10	6-OPEN**	120	70.5	120	Air Rotary	25.5	48, 50.5, 53, 57.5, 66-69, 85, 103, 109, 112	90	N	N	
MW-19A	06/13/11	6-OPEN**	55	31	55	Air Rotary	17.5	31, 41, 45, 48, 51	NA	N	N	
MW-19B	06/10/11	6-OPEN**	120	70	120	Air Rotary	19	87, 91, 95	NA	N	N	
MW-20A	06/10/11	6-OPEN**	55	31	55	Air Rotary	25	45, 48	NA	N	N	
MW-20B	06/09/11	6-OPEN**	120	70	120	Air Rotary	22	74, 76, 114	NA	N	N	
RW-1	05/20/10	6-OPEN**	120	40.5	120	Air Rotary	23	44-47, 106	NO	N	N	

Table 4

MONITORING WELL CONSTRUCTION DETAILS

Carroll Independent Fuel - Wally's Citgo
19200 Middletown Rd
Parkton, MD

Well ID	Well Install Date	Well Diameter/ Material (Inches- PVC/Open)	Total Depth Of Well from Ground Surface (ft)	Depth to T.O.S. from Ground Surface (ft)	Depth to B.O.S. from Ground Surface (ft)	Drilling method	Depth to Bedrock (ft)	Depth of Potential Water-Bearing Zones (ft) ¹	Initial Water Depth (ft) [*]	Geophysics (Y/N)	Packer Testing (Y/N)	Comments
RW-2	05/19/10	6-OPEN**	120	40.5	120	Air Rotary	29	43-47, 86-87, 100.5-101.5	NO	N	N	
RW-3	05/20/10	6-OPEN**	120	40.5	120	Air Rotary	25	46-48, 61-62.5, 72.5, 91	47	N	N	
RW-4***	NA	6-OPEN**	84.7	44	84.7	NA	NA	45, 60, 66	NA	Y	N	Geophysics 45, 60, 66
MW-21	11/9/11	2	45	20	45	Air Rotary	15	NE****	33	N	N	
MW-22	11/9/11	2	45	20	45	Air Rotary	15	NE****	37	N	N	
MW-23	1/10/11	4	60	20	60	Air Rotary	20	NE****	41	N	N	
MW-24B	11/9/11	6-OPEN**	120	60	120	Air Rotary	20	60	96	N	N	
MW-25B	1/10/11	6-OPEN**	120	60	120	Air Rotary	20	60	>100	N	N	
1608R	5/7/13	8-OPEN**	402	82.26	402	Air Rotary	79.26	NE****	NO	N	N	
1606 Rayville	NA	6-OPEN**	135.7	27	135.7	NA	NA	43, 59, 62, 74, 98, 113	NA	Y	N	Geophysics 43, 59, 62, 74, 98, 113
1612 Rayville	NA	6-OPEN**	114	23	114	NA	NA	63, 70, 83, 96, 101	NA	Y	N	Geophysics 63, 70, 83, 96, 101

* = Depth to water measured during first sampling event

** = Steel casing grouted to open hole depth

*** = The well at 1608 Rayville Road is a former potable well location and will be now referred to as RW-4

^ = Well reconstruction completed on 07/03/08

1 = Water-bearing zones determined by field observations during well installation and/or down-hole geophysics (see comments column for depths by geophysics)

B.O.S. = Bottom of Screen (or open borehole)

ft = Feet

N = No

NA = Not Available

NE **** = None Encountered

NO = Not Observed

NAVD 88 = Maryland State Coordinate System, National Aerial Vertical Data 1988.

T.O.S. = Top of Screen (or open borehole)

Y = Yes

Table 5

MONITORING WELL SAMPLING METHODS

Carroll Independent Fuel - Wally's
19200 Middletown Rd
Parkton, MD

Well ID	Well Diameter (in)	Top of Screen Interval (fbg)	Depth of Well Drilled (fbg)	Sample Method & Target Sample Interval
MW-1	2	37	62	LF Interval (47-52')
MW-2	2	40	60	LF Interval (47-52')
MW-3	2	42	62	LF Interval (50-55')
MW-4	2	40	60	LF Interval (47-52')
MW-5	4	30.5	50.5	LF Interval (37-42')
MW-5B	6	70	100	LF Interval (90-95')
MW-6	2	40.5	60.5	LF Interval (47-52')
MW-7A	6	40	65	LF Interval (50-55')
MW-7B	6	70	120	LF Interval (95-100')
MW-8A	6	40	65	LF Interval (50-55')
MW-8B	6	73.5	100	LF Interval (90-95')
MW-9A	6	40	65	LF Interval (55-60')
MW-9B	6	72	120	LF Interval (95-100')
MW-10A	6	40	62	LF Interval (48-53')
MW-10B	6	70	100	LF Interval (90-95')
MW-11A	6	40	60	LF Interval (50-55')
MW-11B	6	70	100	LF Interval (85-90')
MW-12B	6	70	100	LF Interval (90-95')
MW-13A	6	40	60	LF Interval (50-55')
MW-13B	6	70	100	LF Interval (85-90')
MW-14A	6	40	60	LF Interval (48-53')
MW-14B	6	70	100	LF Interval (85-90')
MW-15	6	40.5	120	LF Interval (80-85')
MW-16A	6	40.5	65	LF Interval (50-55')
MW-16B	6	70.5	120	LF Interval (110-115')
MW-17A	6	40.5	65	LF Interval (55-60')
MW-17B	6	70.5	120	LF Interval (85-90')
MW-18A	6	40.5	65	LF Interval (50-55')
MW-18B	6	70.5	120	LF Interval (100-110')
MW-19A	6	31	55	LF Interval (40-50')
MW-19B	6	70	120	LF Interval (105-115')
MW-20A	6	31	55	LF Interval (40-50')
MW-20B	6	70	120	LF Interval (105-115')
MW-21	2	20	45	LF Interval (30-35')
MW-22	2	20	45	LF Interval (30-35')
MW-23	4	20	60	LF Interval (38-43')
MW-24B	6	60	120	LF Interval (88-93')
MW-25B	6	60	120	LF Interval (88-93')
MW-1608R	8	82.26	402	LF Interval (95-105')
RW-1	6	40.5	120	LF Interval (78-83')
RW-2	6	40.5	120	LF Interval (78-83')
RW-3	6	40.5	120	LF Interval (78-83')

' = feet
fbg = feet below grade
in = inches
LF = Low Flow
NA = Not Applicable

APPENDIX A

Historical Activities Summary



HISTORICAL ACTIVITY SUMMARY (key / relevant dates):

1990: Three underground storage tanks (UST) were installed.

August 9, 2005: Three monitoring wells installed.

September 12, 2005: Groundwater sampling event. MW1 benzene at 3 ppb and MTBE at 7 ppb, MW2 benzene at 4 ppb and MTBE at 7 ppb, MW3 benzene at 110 ppb and MTBE at 17,000 ppb, Station's supply well: MTBE at 0.5 ppb.

October 18, 2005: MDE issued directive letter to Carroll Independent Fuel (Carroll) requiring the following: Perform a helium UST test to check for vapor leak of the gasoline USTs; test all spill catchment basins and containment sumps; conduct self audit of UST system; conduct semi-annual sampling of all monitoring wells and tank field monitoring pipes; conduct semi-annual sampling of the transient/non-transient drinking water supply well onsite; perform a half-mile well survey.

October 31, 2005: Notification letters mailed to residents within half-mile radius of the station by BADPERM.

November 3, 2005: 17 private drinking wells sampled. Two homes were found to be above regulatory levels: 1606 Rayville Road with a concentration of MTBE at 2,670 ppb and 1608 Rayville Road at a concentration of MTBE at 851 ppb.

November 8, 2005: MDE received faxed results of Carroll's testing results and drinking water sampling results from BADPERM for residences sampled in the immediate vicinity of the station. UST line testing was completed, all lines passed.

November 18, 2005: MDE site visit to observe the installation of granular activated carbon (GAC) point of entry treatment (POET) systems 1606 Rayville Road and 1608 Rayville Road.

July 31, 2006: Geophysical investigation conducted onsite. MDE requested a *Revised Work Plan* for the installation of monitoring wells based on geophysical data.

August 8, 2006: The MDE site visit. SVE system began operation in the tank field area. Monitoring of the system including airflow measurements, photo-ionization readings, and vacuum measurements will be collected monthly.

August 10, 2006: A *Revised Work Plan - June 1, 2006* was submitted to the MDE. Report included the following: Results of the geophysical survey; a new proposal to install seven additional monitoring wells; three shallow, three deep and an overburden well; Additional down-hole geophysics proposed for each of these monitoring wells.

August 17, 2006: MDE approved the June 1, 2006 *Revised Work Plan*.

January 31, 2007: A *January 2007 Update Letter Report* was submitted to the MDE An offsite private well sampling program implemented for select drinking water wells in the area.

February 6, 2007: A *Hydrogeologic Investigation Update Report and Work Plan* was submitted to the MDE. Seven additional monitoring wells installed on 08/30/06 onsite and offsite (MW3S, MW7A, MW7B, MW8A, MW8B, MW9A, MW9B). Downhole geophysical studies were performed on MW7A, MW7B, MW8A, MW8B, MW9A, MW9B. A *Proposed Work Plan* was submitted for supplemental investigation for abandonment of MW7B due to limited water yield, modification of monitoring well MW-9B well construction to increase well yield, installation of three additional monitoring wells (MW7C, MW10A and MW10B), aquifer testing via 48-hour pump test on two of the proposed wells, and down-hole geophysical study of the proposed wells.



HISTORICAL ACTIVITY SUMMARY (Continued):

- March 21, 2007: MDE issued *Notice of Violation NV-2007-067* to Carroll. This *Notice* required Carroll to complete the following activities: Groundwater samples must be collected from all wells including deep wells 7B, 8B and 9B. Samples must be analyzed using EPA Methods 8260 and 8015B. Groundwater samples must be collected from the fracture zones identified in the hydrogeologic report. Submit a *Work Plan* to delineate the vertical extent of contamination. Extend the soil vapor extraction (SVE) system to include MW-3, MW-4 and MW-5. MDE approves the installation of MW-10A and MW-10B and performance of an aquifer test on MW-10A only.
- March 26, 2007: A *Groundwater Sampling Work Plan* was submitted to the MDE. A groundwater sampling event was scheduled for April 3 and 4, 2007 in compliance with MDE's request of March 21, 2007.
- June 15, 2007: A *Hydrogeologic Investigation Update Report, Groundwater Delineation Work Plan and Soil Alternative Corrective Action Plan* was submitted to the MDE which included the following; Installation of upper and lower bedrock monitoring wells 10A and 10B, with analytical sampling results. Results of 72-hour aquifer pumping test. Proposed the installation of seven additional monitoring wells, three in the upper bedrock, and four in the lower bedrock. Soil Alternative Corrective Action Plan proposed a soil boring investigation and SVE Pilot Study.
- July 30, 2007: A *Pump Testing Report* was submitted to the MDE summarizing the May 23 through June 4, 2007 pump test on the upper bedrock aquifer, a step-drawdown test, a 72-hour constant rate pump test, and a recovery test.
- November 2, 2007: MDE issued a *RE: Notice of Violation NV-2007-067* to Carroll. MDE reviewed the *Hydrogeologic Investigation Update Report and Work Plan - June 15, 2007* and the *Pump Testing Report - July 30, 2007* and approved the work outline based on the following modifications: Of the seven monitoring wells to be installed, a cluster of wells is to be located behind the bait shop. The "B" Series wells may have to extend to 120 feet (ft). Monitoring wells MW-7B and MW-9B may have to be reduced in depth from 242 to 120 ft. Sampling of the wells should occur at least two hours after well purging to allow for recharge. Soil bores may be taken continuously or in 5-foot intervals. Implementation of SVE pilot testing will be re-evaluated after soil boring. Potable well sampling must be conducted.
- December 31, 2007: A *Soil Boring Investigation Results Report* was submitted to the MDE. Soil borings SB-12 through SB-22 were installed to further determine the extent of the contamination.
- February 11, 2008: A site meeting with the MDE was held to discuss the locations of future offsite monitoring wells.
- July 28, 2008: Two additional offsite monitoring wells (MW-11A and MW-11B) were installed in June 2008.
- November 12, 2008: Three monitoring wells (MW-11A, MW-13A, and MW-14A) were installed in the upper bedrock with depths of 60 ft below ground surface (bgs). Five monitoring wells (MW-5B, MW-11B, MW-12B, MW-13B, MW-14B) were installed into the lower bedrock, with total depths of 100 ft bgs. Two deep bedrock monitoring wells (MW-7B and MW-9B) were reconstructed and the depths are now 120 ft bgs.



HISTORICAL ACTIVITY SUMMARY (Continued):

- February 26, 2009: A *Corrective Action Plan (CAP)* was submitted to the MDE which provided a conceptual remedial design with proposed pilot test work to support a remedial design for the Site.
- May 28, 2009: The MDE issued a directive to Carroll requesting a CAP Addendum and Potable Well Investigation Work Plan.
- August 21, 2009: A *CAP Addendum* was submitted to the MDE. The *CAP Addendum* outlined a borehole geophysical investigation at 1606, 1608 & 1612 Rayville Road, SVE point installation, conceptual design of a groundwater pump and treat remedial system and SVE remedial system to address residual hydrocarbon impacts at the Site.
- October 14, 2009: The MDE approved the *CAP Addendum*, but required some modification which included the installation of clustered monitoring wells southwest of monitoring wells MW-16A/B.
- May 10-20, 2010: Monitoring wells MW-15, MW-16A/B, MW-17A/B and MW-18A/B, recovery wells RW-1, RW-2 and RW-3, and soil vapor extraction well SVE-5 were installed.
- August 10, 2010: A meeting was held with the MDE, Carroll and Environmental Alliance (Alliance) to discuss the case and the *CAP Addendum*.
- August 16, 2010: Groundwater & Environmental Services, Inc. (GES) is added as a second consultant to the case.
- August 27, 2010: Alliance submitted an *Additional Monitoring Well Installation Work Plan* to the MDE which plans to install one monitoring well cluster 150 ft southeast of MW-16A/B and another cluster 330 ft south-southwest of MW-16A/B.
- October 14, 2010: GES submits an *Infiltration Pilot Test Work Plan* to the MDE.
- December 17, 2010: The MDE approves the installation of the two cluster wells proposed by Alliance down gradient of MW-16A/B. The MDE requires that a pumping test be conducted on all three recovery wells to test water depletion at the Site.
- January 11, 2011: GES submits a *Pumping Test Work Plan* to the MDE which will be conducted on RW-1, RW-2 and RW-3.
- January 14, 2011: GES submits a *Pumping Test Work Plan Addendum* to the MDE which outlines the infiltration of groundwater which will be pumped from the subsurface during the Pump Test. Prior to discharge, all groundwater will be treated with granular activated carbon units and will comply with the General Discharge Permit 2010-OGR-5093/NPDES Permit MDG915093.
- March 8, 2011: The MDE issues a *Work Plan Approval* to Carroll to commence Pump Test Activities.
- March 18, 2011: Carroll and the State of Maryland, Department of the Environment sign a Consent Agreement which addresses the investigation and remediation at the Site. New quarterly deadlines are agreed up which require Quarterly monitoring Reports be submitted to the Department by the 15th of February, May, August and November.
- April 18, 2011: GES, Alliance, and MDE meet onsite to approve locations for offsite monitoring wells to be installed down-gradient of monitoring wells MW-16A/B.
- April 25-28, 2011: Pumping Test activities, under the direction of GES commenced at the Site. On the last day of the pump test, an infiltration test was conducted on monitoring well MW-8A/B.



HISTORICAL ACTIVITY SUMMARY (Continued):

- June 29, 2011: GES submitted a *Pumping Test Summary and Corrective Action Plan Addendum* to the MDE outlining the findings from the Pump test conducted in April 2011. The Report recommends that a groundwater pump and treat (P&T) remediation system be installed at the Site to remove subsurface hydrocarbon impacts.
- July 7, 2011: GES submitted a *Borehole Infiltration Test Work Plan* to the MDE which proposed procedures regarding the infiltration of treated groundwater discharge from the P&T system.
- August 12, 2011: A meeting was held with GES, MDE and Carroll to provide supplemental information concerning the submitted *Pumping Test Summary and Corrective Action Plan Addendum*.
- August 18, 2011: GES installed five infiltration boreholes ranging in depths from 5-16 ft below ground surface in the area of the proposed infiltration gallery.
- August 19, 2011: Borehole testing was conducted by GES using constant head falling head test and a referenced high falling head tests.
- August 24, 2011: GES submitted a *Preliminary Infiltration Gallery & Remedial System Design* to the MDE.
- August 29, 2011: The MDE approved the CAP Addendum submitted on June 29, 2011 with some modifications. The MDE required that a *CAP Implementation Plan* be submitted to the Department by September 30, 2011.
- September 15, 2011: GES submitted a *Corrective Action Plan Implementation Plan* to the MDE. The plan outlines a schedule for the installation of a P&T system at the Site.
- October 10, 2011: Commencement of construction activities associated with the installation of the P&T system.
- October 17, 2011: The MDE approved the *CAP Implementation Plan* submitted by GES on September 15, 2011. The approval included a schedule for system startup and required activities during initial P&T system operation.
- October 17-18, 2011: Two infiltration gallery trenches (each 35 ft long, 5 ft wide, 8 ft deep) were installed.
- November 9-11, 2011: Monitoring wells MW-21, MW-22, MW-23, MW-24B and MW-25B were installed.
- November 18, 2011: A *Interim Contingency Discharge Plan* was submitted to the MDE.
- November 15, 2011: Monitoring wells 7A/B and 8A/B were repaired by replacing the manway and well pads.
- November 30, 2011: The P&T groundwater system was turned on with groundwater recovery from RW-1 and RW-2. Treated groundwater was stored in a fractionation tank pending laboratory results.
- December 6, 2011: The P&T groundwater system began discharging to the infiltration gallery trenches. Increase monitoring well gauging and monitoring of the P&T system began as per the approved *CAP Implementation Plan*.
- December 13, 2011: Well gauging frequency was reduced to once per week.
- December 27-28, 2011: Downtime occurred due to a bag filter fouling.
- January 3, 2012: O&M frequency was reduced to once per week.
- January 16, 2012: GES submitted a *System Operation Summary Report* to the MDE. This report summarizes the 30 days of system operation.
- January 18-20, 2012: GES conducted quarterly/45-day groundwater sampling event.
- January 25-26, 2012: A phone call and email exchange between the MDE and Carroll provided a memorandum of requirements. The MDE required submittal of an *Update Report* documenting required repairs to MW-7B and MW-8B. Based on elevated water levels in MW-7B and MW-8B, the MDE believes this is a result of surface water infiltration into the wells.



HISTORICAL ACTIVITY SUMMARY (Continued):

- January 31, 2012: GES conducted a monitoring well integrity test regarding surface water infiltration problem in monitoring wells MW-7B and MW-8B.
- February 8, 2012: GES added new wells seals to MW-7B and MW-8B and conducted another monitoring well integrity test to confirm surface water infiltration problem was solved.
- February 15-22, 2012: GES added new cast iron sanitary seals to MW-7B and MW-8B as a backup, for surface water infiltration, to the new wells seals installed on February 8, 2012. GES technician noticed MW-7B had a water level to the seal again and made note that the water was entering from the bottom of the manhole. Hydraulic cement was used to seal the space between the well casing and the manhole skirt to fix this issue.
- February 16, 2012: GES submitted a *System Operation Summary Report* to the MDE. This report summarizes the first 60 days of system operation.
- February 23, 2012: GES submitted *Update Report on Monitoring Wells MW-7B & MW-8B* to the MDE.
- February 25-27, 2012: The P&T groundwater system shut down due to a suspected power outage.
- March 1, 2012: O&M visits and system sampling was reduced to twice per month and well gauging to once per month.
- March 5-9, 2012: GES conducted 90-day groundwater sampling event.
- March 6, 2012: GES submitted a *Potable Well Replacement: 1606 and 1608 Rayville Road* letter to Baltimore County Department of Environmental Protection and Sustainability (DEPS) and the MDE discussing the plan to connect the P&T system to potable wells.
- March 15, 2012: GES submitted a *System Operation Summary Report* to the MDE. This report summarizes the first 90 days of system operation.
- March 26, 2012: Onsite meeting with MDE and Baltimore County DEPS regarding alternate potable well and septic reserve locations for the 1608 Rayville Road property.
- November 29, 2012: The vault for recovery well RW-1 was replaced.
- December 19, 2012: GES obtained the access agreement for the 1608 Rayville Road property to conduct the replacement of the existing potable and to connect it to the P&T system.
- January 9, 2013: The manholes for MW-1 and MW-4 were replaced.
- January 31, 2013: The manhole for MW-2 was replaced.
- March 3, 2013: The manholes for MW-6, MW-10A, and MW-10B were replaced.
- March 19, 2013: Onsite meeting with MDE, Baltimore County DEPS, a representative from B.L. Myers, and the property owner regarding the replacement well location and drilling schedule for the 1608 Rayville Road property.
- May 2-8, 2013: An open-hole bedrock well was installed at the Rayville Road property to 402 ft bgs with 75 ft of six-inch steel casing.
- May 17 & 20, 2013: A yield test was carried out over two days at the newly installed bedrock well at 1608 Rayville Road.
- July 10, 2013: GES submitted a *Replacement Potable Well Installation Report* to the MDE.
- September 10, 2013: GES submitted an *Off-site Remedial Activities Work Plan* and a *Request to Revise the Monitoring and Potable Well Sampling and Monitoring Program* to the MDE.
- October 1, 2013: GES begins conducting residential potable well sampling activities at the site, formerly completed by Environmental Alliance.
- November 2013: The property owner of 1608 Rayville Road vacates the property limiting the potable water usage and accessibility to collect monthly POET system influent samples at this location.



HISTORICAL ACTIVITY SUMMARY (Continued):

- November 5, 2013: The MDE responded to the September 10, 2013 *Off-site Remedial Activities Work Plan* and a *Request to Revise the Monitoring and Potable Well Sampling and Monitoring Program* denying the modifications to the monitoring program as request by GES. The Department allowed the reduction of sample frequency from quarterly to semi-annually for 1620 and 1624 Rayville Road and from semi-annually to annually for 19201, 192013, and 19215 Shandall Court. They also requested a project review meeting.
- December 3, 2013: A project review meeting was conducted at MDE headquarters in Baltimore with Carroll, MDE and GES. Reductions to the monitoring program and offsite remediation activities were discussed.
- December 23, 2013: GES submits an *On-Site Remedial Activities Work Plan* to the MDE which proposes to pulse the groundwater remediation system.
- January 7, 2014: The MDE issued a *Response to Meeting* letter. The Department approved the reduction of monitoring well gauging frequency from monthly to quarterly. Infiltration gallery wells will continue to be gauged on a monthly basis. The Department also allowed the reduction of POET system sample frequency from monthly to quarterly for 1606 and 1612 Rayville Road. In regards to offsite remediation, the department required monthly updates regarding offsite access to 1608 Rayville Road and the submittal of step test discharge treatment plan be submitted to the MDE by January 15, 2014.
- January 15, 2014: GES submitted the *1608 Rayville Road Step-test Water Treatment Plan* to the MDE
- January 17, 2014: The MDE approved the *On-Site Remedial Activities Work Plan* via email requiring increase monitoring frequency of select monitoring and potable wells during system pulsing activities. The department requires:
- All four infiltration gallery wells, Recovery wells RW-1 and RW-2, and monitoring wells MW-4, MW-10A, MW-10B, MW-24B, MW-7A, MW-7B, MW-18A and MW-18B must be gauged twice per month.
 - Groundwater samples must be collected from recovery wells RW-1 and RW-2 twice per month during system deactivated and re-activation.
 - 1606 Rayville Road influent sampling must be conducted monthly.
 - A laboratory data summary of the system influent, recovery wells RW-1 and RW-2, and potable well 1608 Rayville road must be submitted to the MDE in within 5 days of the laboratory results receipt.
- January 23, 2014: Onsite remediation system pulsing activities begin.
- February 3, 2014: Carroll submitted a *Notice of Dispute* to the MDE in response to a stakeholder meeting held on December 3, 2013 and an MDE *Response to Meeting* letter dated January 7, 2014.
- February 7, 2014: During weekly O&M procedures, the groundwater P&T system was observed to be off on arrival. It was determined that pipes had frozen causing the system to shut down.
- February 11, 2014: The groundwater P&T system was repaired and re-started.
- February 18, 2014: The MDE issued a *Work Plan Approval Letter* in response to *On-Site Remedial Activities Work Plan*.
- February 24, 2014: GES submitted the first System Data Pulsing Report to the MDE as required by the *On-Site Remedial Activities Work Plan* in email correspondence on January 17, 2014 and continued data transmittal letters as required.



HISTORICAL ACTIVITY SUMMARY (Continued):

- March 6, 2014: The MDE issued a *Notice of Dispute Response*. The department required the following changes to the groundwater, POET and potable sampling program:
- Monitoring wells MW-5B, MW-6, MW-8A, MW-8B, MW-9A, MW-9B, MW-12B, MW-13A, MW-13B, MW-17A and RW-3 has been changed from quarterly to semi-annually.
 - Potable well sampling frequency has been changed from quarterly to semi-annually at 19200 Middletown Rd (all 3 wells), quarterly to semi-annually at 1614 Rayville Rd, and quarterly to semi-annually at 1616 Rayville Rd.
 - The following potable wells are no longer required to be sampled: 19201, 19203, 19205, 19207, 19209, 19211, 19213, 19214 and 19215 Shandall Ct.
 - The department suspends the requirement for additional delineation of the groundwater in the vicinity of monitoring wells MW-16A/B.
- June 3, 2014: GES submitted an *On-site Remedial Activities Work Plan – Trial Shutdown*. This work plan discusses recent, ongoing and future activities related to the operation of the groundwater pumps in recovery wells RW-1 and RW-2.
- July 10, 2014: The MDE approved a request to discontinue bi-monthly reporting regarding system pulsing activities with the understanding that the data will be presented in quarterly monitoring reports.
- July 15, 2014: The MDE issued an *Approval of Trial Shutdown* for the onsite P&T system. The system will remain off until January 2015. Sampling frequency of potable wells at 1606, 1608 and 1612 Rayville Road is increased to monthly during the trial shutdown period.
- July 23, 2014: Carroll completed the purchase of 1608 Rayville Road property.
- September 3-5, 2014: GES conducted a step test on 1608 Rayville Road potable well as outlined in the September 10, 2013 *Off-site Remedial Activities Work Plan* and January 15, 2014 *1608 Rayville Road Step-test Water Treatment Plan*.
- September 30, 2014: GES submitted an *On-Site and Off-Site Remedial Activities Summary* to the MDE which summarized most recent groundwater concentrations and a pumping test which occurred on the well at 1608 Rayville Road. GES recommended that the well at 1608 Rayville Road be connected to the onsite groundwater pump and treat system.
- November 18, 2014: The MDE issued an *Approval of System Modification* approving the continuation of the system trial shutdown period and the connection of the well at 1608 Rayville Road to the onsite groundwater pump and treat system.
- December 3, 2014: GES submitted an *On-Site and Off-Site Remedial Activities Summary* to the MDE which summarized the most recent groundwater concentrations and outlined a schedule for the well at 1608 Rayville to be connected to the onsite groundwater pump and treat system.
- December 17, 2014: GES connected the potable well at 1608 Rayville Road to the onsite groundwater pump and treat system and converted the potable well to recovery well RW-4
- January 7, 2015: GES submitted an *On-Site and Off-Site Remedial Activities Summary* to MDE which summarized the monitoring conducted since the trial shutdown of the P&T system began, outlined a schedule for connecting 1608 Rayville Road potable well to the pump and treat system, and provided a schedule for maintenance and discharge sampling and potable and monitoring well sampling.
- January 12, 2015: GES installed a pump in RW-4.
- January 13, 2015: The MDE approved GES' continued shutdown of the remediation system beyond the 6-month trial period.
- January 14, 2015: GES installed a transducer and electrically connected RW-4 to the remediation system.



HISTORICAL ACTIVITY SUMMARY (Continued):

- January 23, 2015: GES received the MDE's *Second Approval of the System's Modifications – January 20, 2015*.
- January 28, 2015: GES notified the MDE of the re-start of the P&T system scheduled for February 2, 2015.
- February 2, 2015: GES reactivates the P&T system, turning on pumps in RW-2 and RW-4.
- February 6, 2015: GES submitted *2014 Semi-Annual Withdrawal Report – January 28, 2015* to the MDE.
- March 2, 2015: GES submitted *Report of Results*, summarizing the P&T system trial shutdown to the MDE.
- April 13, 2015: GES received a letter from the MDE gave continuing approval of GES' recommendation to operate the remediation system using recovery wells RW-2 and RW-4 after review of *Report of Results – March 2, 2015*.
- May 12, 2015: GES submitted *First Quarter 2015 Monitoring Report – May 15, 2015* to the MDE.
- June 22, 2015: GES submitted *2015 Semi-Annual Withdrawal Report – June 16, 2015* to the MDE.
- August 14, 2015: GES submitted the *Second Quarter 2015 Monitoring Report – August 14, 2015* to the MDE.
- January 13-19, 2016: GES pumped down monitoring well 1608R's water column and recycled purged groundwater into the Site's system.
- February 11, 2016: GES submitted the *Fourth Quarter 2015 Monitoring Report – February 15, 2016* to the MDE.
- March 18, 2016: GES notified the MDE of an onsite system shutdown due to a small leak from a corroded pipe fitting, noting that GES expected to perform the repair before March 23, 2016.
- May 13, 2016: GES submits the *First Quarter 2016 Monitoring Report – May 13, 2016* to the MDE. GES also submits *Off-Site Remedial Activities Work Plan- System Trial Shutdown* to the MDE (under separate cover).
- June 30, 2016: GES notified the MDE of an onsite system shutdown that occurred from June 23-29th, 2016 due to a power interruption. The system's notification system (via landline phone telemetry system) was also not properly working at this time but was subsequently fixed.
- July 8, 2016: GES received the MDE's *Trial Shutdown Response - July 7, 2016*. The MDE requested additional clarification on system restart criteria.
- July 25, 2016: GES submitted the *System Restart Criteria and Response Plan* in response to the MDE July 8, 2016 correspondence.
- July 27, 2016: GES submitted *2016 Semi-Annual Withdrawal Report – June 13, 2016* to the MDE.
- August 9, 2016: GES and Carroll met with the MDE at the MDE headquarters and discussed a request for expanded EPA Method 524.2 analysis on all potable and POET samples collected for the case.
- August 12, 2016: GES submitted the *Second Quarter 2016 Monitoring Report – August 12, 2016* to the MDE
- August 27-30, 2016: A GES technician was onsite August 29, 2016 to assess the cause of a system shutdown (which occurred August 27, 2016), but was unable to restart the system. GES notified the MDE of the system shutdown on August 30, 2016.
- August 31, 2016: GES resumes system operation by modifying the inline treatment train to now pass through the air stripper and a single LGAC vessel. MDE was initially notified of the system modification on August 31, 2016 via email correspondence.



HISTORICAL ACTIVITY SUMMARY (Continued):

- October 5, 2016: GES submitted the *Wally's Monitoring & Remedial Activities Work Plan* to the MDE in response to requests made in a phone conversation on August 31, 2016.
- October 26, 2016: GES submitted a *Revised Table 2 – Monitoring and Remedial Activities Work Plan* to address an MDE email request for additional information.
- November 1, 2016: The MDE issued *Monitoring and Remedial Activities Work Plan Approval* correspondence, thereby permitting initiation of trial system shutdown procedures.
- November 2, 2016: The Wally's groundwater remediation system goes offline.
- November 11, 2016: GES submitted the *Third Quarter 2016 Monitoring Report – November 11, 2016* to the MDE.
- December 8, 2016: Carroll and the MDE met to conduct a 5-year Consent Order Review and review site remediation progress. GES received the meeting's notes from Carroll.
- December 8, 2016: GES notifies the MDE of supplemental groundwater sampling to occur in December of select monitoring wells (due to increased concentrations during 4th quarter sampling, after a week of system shutdown).
- January 9, 2017: GES sends the MDE analytical results from the supplemental groundwater sampling event in December 2016 and proposes to advance the schedule of 1st quarter 2017 groundwater sampling.
- January 13, 2017: The MDE requests GES' onsite schedule during the 1st quarter 2017 groundwater sampling event and GES responds with dates and times.
- January 20, 2017: GES submitted *2016 Semi-Annual Withdrawal Report – December 12, 2016* to the MDE.
- January 30, 2017: GES submitted two separate letters to the MDE: 1) *Expanded EPA Method 524.2 Constituent Analysis Summary – January 30, 2017* requesting the MDE allow GES to analyze potable wells with a reduced compound list via EPA Method 524.2 and 2) *System Restart Criteria Resampling Summary – January 30, 2017* addressing the results of the supplemental groundwater sampling event in December 2016.
- March 31, 2017: GES receives the MDE's directive letter, *Re-sampling of Select Monitoring Wells and Target Parameter List Approval – March 29, 2017*, requesting resampling of specific wells and approval to analyze resident and POET system samples via the Target VOCs List with EPA Method 524.2. GES notifies the MDE of plans to resample on April 5th.
- April 13, 2017: GES submits sampling analytical results and an updated System Restart Criteria data table from the April 5, 2017 supplemental monitoring event to the MDE.
- May 3-10, 2017: GES completes the Second Quarter 2017 groundwater monitoring event for all monitoring and potable wells within the Wally's study area. Preliminary analytical results from the event and an updated System Restart Criteria table were submitted to the MDE on May 24, 2017.
- July 25, 2017: GES submits the *2017 Semi-Annual Water Withdrawal Report* for the period January 1, 2017 - June 30, 2017 to the MDE.
- July 31- August 3, 2017: GES completes the Third Quarter 2017 groundwater monitoring event for all monitoring and potable wells within the Wally's study area. Preliminary analytical results from the event and an updated System Restart Criteria table were submitted to the MDE on August 23, 2017.



HISTORICAL ACTIVITY SUMMARY (Continued):

- August 11, 2017: GES submitted the *Second Quarter 2017 Monitoring Report* to the MDE. This report provided summary of current groundwater and potable well conditions following two (2) quarters of complete network monitoring performed during 1st and 2nd Quarters of 2017 per the the October 5, 2016 *Wally's Monitoring and Remedial Activities Work Plan*. The report requested reductions to the monitoring well sampling program.
- November 6 – November 14, 2017: GES completes the Fourth Quarter 2017 groundwater monitoring event for all monitoring and potable wells within the Wally's study area. Preliminary analytical results from the event and an updated System Restart Criteria table were submitted to the MDE on December 12, 2017.
- November 15, 2017: GES submits the *Third Quarter 2017 Monitoring Report – November 15, 2017* to the MDE.
- December 12, 2017: GES received the MDE's *Request to Modify Groundwater Monitoring Response – December 12, 2017*. The MDE requested continued quarterly sampling of all monitoring wells.
- December 29, 2017: GES submits the *2018 Semi-Annual Water Withdrawal Report* for the period July1, 2017 – December 31, 2017 to the MDE.
- February 12 - March 23, 2018: GES completes the First Quarter 2018 groundwater monitoring event for all monitoring and potable wells within the Wally's study area. Preliminary analytical results from the event and an updated System Restart Criteria table were submitted to the MDE on April 4, 2018.
- February 15, 2018: GES submitted the *Fourth Quarter 2017 Monitoring Report – February 15, 2018* to the MDE.
- May 8 – June 18, 2018: GES completes the Second Quarter 2018 groundwater monitoring event for all monitoring and potable wells within the Wally's study area. Preliminary analytical results from the event and a System Restart Criteria Report were submitted to the MDE on July 24, 2018
- May 15, 2018: GES submitted the *First Quarter 2018 Monitoring Report – May 15, 2018* to the MDE.
- July 18, 2018: GES submits the *2018 Semi-Annual Water Withdrawal Report* for the period January 1, 2018 - June 30, 2018 to the MDE.
- August 15, 2018: GES submitted the *Second Quarter 2018 Monitoring Report – August 15, 2018* to the MDE.
- August 20-24, 2018: GES completes the Third Quarter 2018 groundwater monitoring event for all monitoring and potable wells within the Wally's study area. Preliminary analytical results from the event and a System Restart Criteria Report were submitted to the MDE on October 1, 2018
- October 1, 2018: GES submitted the *Post-Remedial Evaluation Report* evaluating post-remedial water quality conditions at the site and requesting monitoring program modifications, reductions and eliminations as well as decommission and removal of the onsite groundwater P&T system.
- October 30, 2018: GES submits the *Third Quarter 2018 Monitoring Report – October 30, 2018* to the MDE.
- November 2, 2018: Carroll receives MDE email correspondence in response to GES's Oct. 1, 2018 *Post-Remediation Evaluation Report*. MDE approves reduced sampling for the pending Fourth Quarter 2018 monitoring event noting that the Department's final response to the Oct. 1, 2018 *Post-Remediation Evaluation Report* is still under review.



HISTORICAL ACTIVITY SUMMARY (Continued):

November 6-9, 2018	GES completes the Fourth Quarter 2018 groundwater monitoring event for select monitoring and potable wells within the Wally's study area per November 2, 2018 email from MDE.
December 5, 2018	System Restart Criteria table(s) summarizing preliminary analytical results from the Fourth Quarter 2018 monitoring event were submitted to the MDE.
January 4, 2019	GES submits the <i>Fourth Quarter 2018 Monitoring Report – January 4, 2019</i> to the MDE.
January 21, 2019	Carroll receives MDE <i>Site Status and Modifications to Residential Sampling Program – January 16, 2019</i> approving decommission of the system and requesting one final sampling from nine potable locations.
January 25, 2019	GES submits the <i>2018 Semi-Annual Water Withdrawal Report</i> for the period July 1, 2018 – December 31, 2018 to the MDE.
February 1, 2019	GES receives MDE email correspondence approving reduced sampling for the pending First Quarter 2019 monitoring event.
February 4-8, 2019	GES completes the First Quarter 2019 groundwater monitoring event for select monitoring wells and potable wells within the Wally's study area per January 16 and February 1, 2019 correspondence from MDE.
April 25, 2019	GES submits the <i>First Quarter 2019 Monitoring Report – April 25, 2019</i> to the MDE.
May 6-10, 2019	GES completes the Second Quarter 2019 groundwater monitoring event for select monitoring and potable wells within the Wally's study area.
May 28, 2019	GES submits preliminary MTBE and benzene monitoring well analytical results from the Second Quarter 2019 event to the MDE.
June 6, 2019	Carroll receives MDE <i>Modifications to Residential Sampling Program and POET System Discontinuation Approval</i> , dated June 4, 2019, approving removal of nine (9) previously semi-annual potable sampling locations from the monitoring program and releasing Carroll from responsibility for the POET system at 1612 Rayville Road.
June 28, 2019	GES receives permit renewal notification from MDE regarding <i>Water Appropriation and Use Permit Number – BA2010G001</i> .
July 3, 2019	GES submits <i>Notification of Non-Renewal – Water Appropriation and Use Permit No. BA2010G001</i> to the MDE.
July 3, 2019	GES receives an email from the MDE confirming inactivation of the Water Appropriation and Use Permit No. BA2010G001.
July 30, 2019	GES submits the <i>2019 Semi-Annual Water Withdrawal Report</i> for the period January 1, 2019 – June 30, 2019 to the MDE.
August 5, 2019	GES submits the <i>Second Quarter 2019 Monitoring Report – August 5, 2019</i> to the MDE.
August 26 – 29, 2019	GES completes the Third Quarter 2019 groundwater monitoring event for select monitoring and potable wells within the Wally's study area.
October 25, 2019	GES submits the <i>Third Quarter 2019 Monitoring Report – October 25, 2019</i> to the MDE.
November 5 – 8, 2019	GES completes the Fourth Quarter 2019 groundwater monitoring event for select monitoring and potable wells within the Wally's study area.
November 11–14, 2019	GES completes system demolition.
February 6, 2020	GES submits the <i>Fourth Quarter 2019 Monitoring Report – February 6, 2020</i> to the MDE.
February 3-11, 2020	GES completes the First Quarter 2020 groundwater monitoring event for select monitoring and potable wells within the Wally's study area.



HISTORICAL ACTIVITY SUMMARY (Continued):

April 23, 2020	GES submits the <i>First Quarter 2020 Monitoring Report – April 23, 2020</i> to the MDE.
April 27 – June 30, 2020	GES completes the Second Quarter 2020 groundwater monitoring event for select monitoring and potable wells within the Wally’s study area.
May 21, 2020	Carroll receives MDE sampling directive, requesting the re-sampling of six (6) on-site monitoring wells.
May 27-28, 2020	GES completes monitoring at six monitoring and four tank field wells per May 21, 2020 directive.
August 14, 2020	GES submits the <i>Second Quarter 2020 Monitoring Report – August 14, 2020</i> to the MDE.
July 27 – September 1, 2020	GES completes the Third Quarter 2020 groundwater monitoring event for select monitoring and potable wells within the Wally’s study area.
Third Quarter 2020	Former recovery well RW-4 was converted back to a potable well for the 1608 Rayville Rd. residence by the new property owner.
November 3 – November 11, 2020	GES completes the Fourth Quarter 2020 groundwater monitoring event for select monitoring and potable wells within the Wally’s study area.
November 13, 2020	GES submits the <i>Third Quarter 2020 Monitoring Report – November 13, 2020</i> to the MDE.
January 29, 2021 – February 8, 2021	GES completes the First Quarter 2021 groundwater monitoring event for select monitoring and potable wells within the Wally’s study area.
February 12, 2021	GES submits the <i>Fourth Quarter 2020 Monitoring Report – February 12, 2021</i> to the MDE.
April 27, 2021	GES submits the <i>Notification of Intent to Abandon Monitoring Wells MW-13A, MW-13B</i> to the MDE.
May 3, 2021	GES receives a letter from the MDE approving the abandonment of monitoring wells MW-13A and MW-13B.
May 11, 2021	GES completes MW-13A and MW-13B well abandonment activities.
May 11 – May 18, 2021	GES completes the Second Quarter 2021 groundwater monitoring event for select monitoring and potable wells within the Wally’s study area.
May 14, 2021	GES submits well abandonment forms to the MDE. GES submits the <i>First Quarter 2021 Monitoring Report – May 14, 2021</i> to the MDE.
August 13, 2021	GES submits the <i>Second Quarter 2021 Monitoring Report – August 13, 2021</i> to the MDE.
November 10, 2021	GES submits the <i>Third Quarter 2021 Monitoring Report – November 10, 2021</i> to the MDE.
February 15, 2022	GES submits the <i>Fourth Quarter 2021 Monitoring Report – February 15, 2022</i> to the MDE.
May 15, 2022	GES submits the <i>First Quarter 2022 Monitoring Report – May 15, 2022</i> to the MDE.
June 17, 2022	MDE issues <i>Request for Updated PWS Survey and Monitoring Well Sampling</i> .
August 1, 2022	MDE approves of 60 day extension of Sensitive Receptor Survey (SRS) report by GES, new deadline is October 14, 2022.
August 5, 2022	GES submits the <i>Second Quarter 2022 Monitoring Report – August 5, 2022</i> to the MDE.
August 29, 2022	GES completes the Third Quarter 2022 groundwater monitoring event for the monitoring and potable wells within the Wally’s/High’s 141 study area.
October 18, 2022	GES is granted an extension for submission of the Sensitive Receptor Survey (SRS) report by October 20, 2022
October 20, 2022	GES submits the SRS report to the MDE.



HISTORICAL ACTIVITY SUMMARY (Continued):

November 15, 2022 GES is granted an extension for submission of Third Quarter 2022 Monitoring Report by November 29, 2022.

APPENDIX B

Laboratory Reports and Chain of Custody Documentation (See Files on CD)

Eurofins Lancaster Laboratories ID Numbers:

410-95591-1
410-95913-1
410-95912-1
410-95917-1
410-95916-1
410-95914-1
410-96031-1
410-96030-1
410-96347-1
410-96350-1
410-96349-1
410-106057-1

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-95591-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/2/2022 12:08:16 PM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

LINKS

Review your project
results through



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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style and is positioned above a horizontal blue line.

Amek Carter
Project Manager
9/2/2022 12:08:16 PM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	21
Lab Chronicle	22
Certification Summary	23
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28



Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95591-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95591-1

Job ID: 410-95591-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-95591-1

Receipt

The samples were received on 8/24/2022 6:19 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-10B (410-95591-2). The container labels list time as 12:40 while the COC lists as 12:45.

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) analyzed on 410-289554 is compliant under 8260C/D method criteria for 1,2,3-Trichlorobenzene. The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-10A (410-95591-1), MW-10B (410-95591-2) and MW-11B (410-95591-3). The requested target analyte list includes Acrylonitrile, an acid-labile compound that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-10A

Lab Sample ID: 410-95591-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dibromoethane	0.11	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
1,2-Dichloroethane	0.099	J	0.50	0.070	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	4.3		0.50	0.080	ug/L	1		8260C LL	Total/NA
Benzene	0.64		0.50	0.10	ug/L	1		8260C LL	Total/NA
Isopropylbenzene	0.12	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Naphthalene	0.15	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
n-Butylbenzene	0.18	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
sec-Butylbenzene	2.6		0.50	0.10	ug/L	1		8260C LL	Total/NA
t-Butyl alcohol	4.4	J	10	3.0	ug/L	1		8260C LL	Total/NA
GRO (1C)	0.19		0.050	0.023	mg/L	1		8015D	Total/NA
DRO (C10-C28)	69	J	110	56	ug/L	1		8015D	Total/NA

Client Sample ID: MW-10B

Lab Sample ID: 410-95591-2

No Detections.

Client Sample ID: MW-11B

Lab Sample ID: 410-95591-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.32	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-10A

Lab Sample ID: 410-95591-1

Date Collected: 08/23/22 11:30

Matrix: Water

Date Received: 08/24/22 18:19

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/25/22 13:52	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 13:52	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Ethylbenzene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Styrene	ND		0.50	0.070	ug/L			08/25/22 13:52	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 13:52	1
1,2-Dibromoethane	0.11	J	0.50	0.080	ug/L			08/25/22 13:52	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 13:52	1
1,2-Dichloroethane	0.099	J	0.50	0.070	ug/L			08/25/22 13:52	1
1,2,3-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			08/25/22 13:52	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			08/25/22 13:52	1
Toluene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Chlorobenzene	ND		0.50	0.070	ug/L			08/25/22 13:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 13:52	1
Dibromochloromethane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Xylenes, Total	ND		1.0	0.070	ug/L			08/25/22 13:52	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/25/22 13:52	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Methyl tertiary butyl ether	4.3		0.50	0.080	ug/L			08/25/22 13:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 13:52	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Chloroform	ND		0.50	0.090	ug/L			08/25/22 13:52	1
Benzene	0.64		0.50	0.10	ug/L			08/25/22 13:52	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Bromomethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Chloromethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Chloroethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Methylene Chloride	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Carbon disulfide	ND		1.0	0.10	ug/L			08/25/22 13:52	1
Bromoform	ND		1.0	0.30	ug/L			08/25/22 13:52	1
Bromodichloromethane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			08/25/22 13:52	1
Trichloroethene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/25/22 13:52	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 13:52	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			08/25/22 13:52	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-10A

Lab Sample ID: 410-95591-1

Date Collected: 08/23/22 11:30

Matrix: Water

Date Received: 08/24/22 18:19

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Bromochloromethane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Isopropylbenzene	0.12	J	0.50	0.080	ug/L			08/25/22 13:52	1
Dibromomethane	ND		0.50	0.080	ug/L			08/25/22 13:52	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/25/22 13:52	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
Naphthalene	0.15	J	0.50	0.080	ug/L			08/25/22 13:52	1
n-Butylbenzene	0.18	J	0.50	0.080	ug/L			08/25/22 13:52	1
N-Propylbenzene	ND		0.50	0.10	ug/L			08/25/22 13:52	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
sec-Butylbenzene	2.6		0.50	0.10	ug/L			08/25/22 13:52	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			08/25/22 13:52	1
t-Butyl alcohol	4.4	J	10	3.0	ug/L			08/25/22 13:52	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 13:52	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			08/25/22 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		08/25/22 13:52	1
Dibromofluoromethane (Surr)	99		80 - 120		08/25/22 13:52	1
4-Bromofluorobenzene (Surr)	99		80 - 120		08/25/22 13:52	1
Toluene-d8 (Surr)	100		80 - 120		08/25/22 13:52	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	0.19		0.050	0.023	mg/L			08/30/22 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	98		63 - 135		08/30/22 20:37	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	69	J	110	56	ug/L		08/27/22 05:43	08/29/22 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	118		37 - 153	08/27/22 05:43	08/29/22 13:59	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-10B

Lab Sample ID: 410-95591-2

Date Collected: 08/23/22 12:45

Matrix: Water

Date Received: 08/24/22 18:19

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/25/22 14:13	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Ethylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Styrene	ND		0.50	0.070	ug/L			08/25/22 14:13	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:13	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			08/25/22 14:13	1
1,2,3-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			08/25/22 14:13	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			08/25/22 14:13	1
Toluene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Chlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:13	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:13	1
Dibromochloromethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Xylenes, Total	ND		1.0	0.070	ug/L			08/25/22 14:13	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/25/22 14:13	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:13	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Chloroform	ND		0.50	0.090	ug/L			08/25/22 14:13	1
Benzene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Bromomethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Chloromethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Chloroethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Methylene Chloride	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Carbon disulfide	ND		1.0	0.10	ug/L			08/25/22 14:13	1
Bromoform	ND		1.0	0.30	ug/L			08/25/22 14:13	1
Bromodichloromethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			08/25/22 14:13	1
Trichloroethene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/25/22 14:13	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:13	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			08/25/22 14:13	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-10B

Lab Sample ID: 410-95591-2

Date Collected: 08/23/22 12:45

Matrix: Water

Date Received: 08/24/22 18:19

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Bromochloromethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Isopropylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Dibromomethane	ND		0.50	0.080	ug/L			08/25/22 14:13	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/25/22 14:13	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
Naphthalene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
n-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
N-Propylbenzene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			08/25/22 14:13	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			08/25/22 14:13	1
t-Butyl alcohol	ND		10	3.0	ug/L			08/25/22 14:13	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:13	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			08/25/22 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		08/25/22 14:13	1
Dibromofluoromethane (Surr)	105		80 - 120		08/25/22 14:13	1
4-Bromofluorobenzene (Surr)	94		80 - 120		08/25/22 14:13	1
Toluene-d8 (Surr)	99		80 - 120		08/25/22 14:13	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			08/31/22 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		08/31/22 23:01	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		2700	1400	ug/L		08/27/22 05:43	08/29/22 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	119		37 - 153	08/27/22 05:43	08/29/22 14:23	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-11B

Lab Sample ID: 410-95591-3

Date Collected: 08/23/22 14:15

Matrix: Water

Date Received: 08/24/22 18:19

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/25/22 14:34	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Ethylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Styrene	ND		0.50	0.070	ug/L			08/25/22 14:34	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:34	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			08/25/22 14:34	1
1,2,3-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			08/25/22 14:34	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			08/25/22 14:34	1
Toluene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Chlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:34	1
Dibromochloromethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Xylenes, Total	ND		1.0	0.070	ug/L			08/25/22 14:34	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/25/22 14:34	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Methyl tertiary butyl ether	0.32	J	0.50	0.080	ug/L			08/25/22 14:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:34	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Chloroform	ND		0.50	0.090	ug/L			08/25/22 14:34	1
Benzene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Bromomethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Chloromethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Chloroethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Methylene Chloride	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Carbon disulfide	ND		1.0	0.10	ug/L			08/25/22 14:34	1
Bromoform	ND		1.0	0.30	ug/L			08/25/22 14:34	1
Bromodichloromethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			08/25/22 14:34	1
Trichloroethene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/25/22 14:34	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 14:34	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			08/25/22 14:34	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-11B

Lab Sample ID: 410-95591-3

Date Collected: 08/23/22 14:15

Matrix: Water

Date Received: 08/24/22 18:19

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Bromochloromethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Isopropylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Dibromomethane	ND		0.50	0.080	ug/L			08/25/22 14:34	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/25/22 14:34	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
Naphthalene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
n-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
N-Propylbenzene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			08/25/22 14:34	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			08/25/22 14:34	1
t-Butyl alcohol	ND		10	3.0	ug/L			08/25/22 14:34	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 14:34	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			08/25/22 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		08/25/22 14:34	1
Dibromofluoromethane (Surr)	101		80 - 120		08/25/22 14:34	1
4-Bromofluorobenzene (Surr)	89		80 - 120		08/25/22 14:34	1
Toluene-d8 (Surr)	100		80 - 120		08/25/22 14:34	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			08/31/22 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		08/31/22 23:26	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/27/22 05:43	08/29/22 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	120		37 - 153	08/27/22 05:43	08/29/22 14:47	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-95591-1	MW-10A	95	99	99	100
410-95591-2	MW-10B	104	105	94	99
410-95591-3	MW-11B	102	101	89	100
LCS 410-289554/4	Lab Control Sample	99	99	100	99
LCS 410-289554/5	Lab Control Sample Dup	97	99	102	100
MB 410-289554/7	Method Blank	102	102	93	98

Surrogate Legend
 DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-95591-1	MW-10A	98
410-95591-2	MW-10B	101
410-95591-3	MW-11B	101
LCS 410-291080/6	Lab Control Sample	93
LCS 410-291534/5	Lab Control Sample	94
LCS 410-291080/7	Lab Control Sample Dup	94
LCS 410-291534/6	Lab Control Sample Dup	94
MB 410-291080/5	Method Blank	99
MB 410-291534/4	Method Blank	100

Surrogate Legend
 TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-95591-1	MW-10A	118
410-95591-2	MW-10B	119
410-95591-3	MW-11B	120
LCS 410-290227/2-A	Lab Control Sample	118
LCS 410-290227/3-A	Lab Control Sample Dup	119
MB 410-290227/1-A	Method Blank	118

Surrogate Legend
 OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-289554/7

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/25/22 12:06	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Ethylbenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Styrene	ND		0.50	0.070	ug/L			08/25/22 12:06	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 12:06	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			08/25/22 12:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 12:06	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			08/25/22 12:06	1
Toluene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Chlorobenzene	ND		0.50	0.070	ug/L			08/25/22 12:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 12:06	1
Dibromochloromethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Xylenes, Total	ND		1.0	0.070	ug/L			08/25/22 12:06	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/25/22 12:06	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 12:06	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Chloroform	ND		0.50	0.090	ug/L			08/25/22 12:06	1
Benzene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Bromomethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Chloromethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Chloroethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Methylene Chloride	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Carbon disulfide	ND		1.0	0.10	ug/L			08/25/22 12:06	1
Bromoform	ND		1.0	0.30	ug/L			08/25/22 12:06	1
Bromodichloromethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Acrylonitrile	ND		5.0	0.40	ug/L			08/25/22 12:06	1
Trichloroethene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			08/25/22 12:06	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-289554/7

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Bromobenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Bromochloromethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Isopropylbenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Dibromomethane	ND		0.50	0.080	ug/L			08/25/22 12:06	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/25/22 12:06	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			08/25/22 12:06	1
Hexachlorobutadiene	0.0834	J	0.50	0.080	ug/L			08/25/22 12:06	1
Naphthalene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
n-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
N-Propylbenzene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			08/25/22 12:06	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			08/25/22 12:06	1
t-Butyl alcohol	ND		10	3.0	ug/L			08/25/22 12:06	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			08/25/22 12:06	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			08/25/22 12:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		08/25/22 12:06	1
Dibromofluoromethane (Surr)	102		80 - 120		08/25/22 12:06	1
4-Bromofluorobenzene (Surr)	93		80 - 120		08/25/22 12:06	1
Toluene-d8 (Surr)	98		80 - 120		08/25/22 12:06	1

Lab Sample ID: LCS 410-289554/4

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.04		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	5.32		ug/L		106	61 - 129
Ethylbenzene	5.00	5.01		ug/L		100	80 - 120
Styrene	5.00	5.30		ug/L		106	80 - 120
1,4-Dichlorobenzene	5.00	4.82		ug/L		96	80 - 120
1,2-Dibromoethane	5.00	5.04		ug/L		101	80 - 120
1,1-Dichloropropene	5.00	5.18		ug/L		104	74 - 120
1,2-Dichloroethane	5.00	5.13		ug/L		103	69 - 122
1,2,3-Trichlorobenzene	5.00	4.12		ug/L		82	68 - 125
1,2,3-Trichloropropane	5.00	5.19		ug/L		104	80 - 125
Toluene	5.00	4.89		ug/L		98	80 - 120
Chlorobenzene	5.00	4.98		ug/L		100	80 - 120
1,2,4-Trimethylbenzene	5.00	5.05		ug/L		101	80 - 120
1,2,4-Trichlorobenzene	5.00	4.27		ug/L		85	68 - 122
Dibromochloromethane	5.00	4.99		ug/L		100	64 - 138
Xylenes, Total	15.0	15.1		ug/L		101	80 - 120
Tetrachloroethene	5.00	4.66		ug/L		93	80 - 120
cis-1,2-Dichloroethene	5.00	5.12		ug/L		102	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-289554/4

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.87		ug/L		97	80 - 122
Methyl tertiary butyl ether	5.00	4.65		ug/L		93	69 - 120
1,3,5-Trimethylbenzene	5.00	5.00		ug/L		100	80 - 120
1,3-Dichlorobenzene	5.00	4.84		ug/L		97	80 - 120
1,3-Dichloropropane	5.00	5.15		ug/L		103	80 - 120
Chloroform	5.00	5.02		ug/L		100	80 - 120
Benzene	5.00	5.18		ug/L		104	80 - 120
1,1,1-Trichloroethane	5.00	4.82		ug/L		96	78 - 126
Bromomethane	5.00	4.85		ug/L		97	60 - 136
Chloromethane	5.00	4.79		ug/L		96	56 - 124
Chloroethane	5.00	5.23		ug/L		105	63 - 120
2,2-Dichloropropane	5.00	5.16		ug/L		103	61 - 141
Vinyl chloride	5.00	4.90		ug/L		98	60 - 125
Methylene Chloride	5.00	4.86		ug/L		97	80 - 120
Carbon disulfide	5.00	5.08		ug/L		102	67 - 130
Bromoform	5.00	4.74		ug/L		95	49 - 144
Bromodichloromethane	5.00	5.10		ug/L		102	73 - 124
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120
2-Chlorotoluene	5.00	4.99		ug/L		100	80 - 120
1,1-Dichloroethene	5.00	4.75		ug/L		95	80 - 131
Trichlorofluoromethane	5.00	4.58		ug/L		92	62 - 136
4-Chlorotoluene	5.00	5.10		ug/L		102	80 - 120
Dichlorodifluoromethane	5.00	4.40		ug/L		88	43 - 123
1,2-Dichloropropane	5.00	5.21		ug/L		104	80 - 120
1,1,2-Trichloroethane	5.00	5.09		ug/L		102	80 - 120
Acrylonitrile	25.0	24.4		ug/L		98	64 - 139
Trichloroethene	5.00	4.89		ug/L		98	80 - 120
1,1,1,2-Tetrachloroethane	5.00	5.24		ug/L		105	75 - 123
1,2-Dichlorobenzene	5.00	4.70		ug/L		94	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.14		ug/L		83	56 - 148
Bromobenzene	5.00	4.96		ug/L		99	80 - 120
Bromochloromethane	5.00	5.01		ug/L		100	80 - 120
Isopropylbenzene	5.00	4.98		ug/L		100	80 - 120
Dibromomethane	5.00	5.05		ug/L		101	80 - 122
di-Isopropyl ether	5.00	5.30		ug/L		106	58 - 131
Ethyl t-butyl ether	5.00	5.12		ug/L		102	57 - 126
Hexachlorobutadiene	5.00	4.01		ug/L		80	72 - 132
Naphthalene	5.00	4.04		ug/L		81	64 - 122
n-Butylbenzene	5.00	5.02		ug/L		100	74 - 123
N-Propylbenzene	5.00	5.20		ug/L		104	74 - 122
p-Isopropyltoluene	5.00	5.09		ug/L		102	80 - 120
sec-Butylbenzene	5.00	5.06		ug/L		101	80 - 120
t-Amyl methyl ether	5.00	4.91		ug/L		98	65 - 125
t-Butyl alcohol	50.0	41.5		ug/L		83	62 - 138
tert-Butylbenzene	5.00	4.89		ug/L		98	79 - 120
trans-1,4-Dichloro-2-butene	25.0	24.8		ug/L		99	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-289554/4

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 410-289554/5

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
1,1,1,2-Tetrachloroethane	5.00	4.88		ug/L		98	71 - 134	1	30
cis-1,3-Dichloropropene	5.00	5.02		ug/L		100	67 - 121	1	30
trans-1,3-Dichloropropene	5.00	5.25		ug/L		105	61 - 129	1	30
Ethylbenzene	5.00	5.05		ug/L		101	80 - 120	1	30
Styrene	5.00	5.31		ug/L		106	80 - 120	0	30
1,4-Dichlorobenzene	5.00	4.79		ug/L		96	80 - 120	1	30
1,2-Dibromoethane	5.00	4.99		ug/L		100	80 - 120	1	30
1,1-Dichloropropene	5.00	5.10		ug/L		102	74 - 120	1	30
1,2-Dichloroethane	5.00	5.09		ug/L		102	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	3.94		ug/L		79	68 - 125	5	30
1,2,3-Trichloropropane	5.00	5.02		ug/L		100	80 - 125	3	30
Toluene	5.00	4.90		ug/L		98	80 - 120	0	30
Chlorobenzene	5.00	4.91		ug/L		98	80 - 120	1	30
1,2,4-Trimethylbenzene	5.00	5.08		ug/L		102	80 - 120	1	30
1,2,4-Trichlorobenzene	5.00	4.19		ug/L		84	68 - 122	2	30
Dibromochloromethane	5.00	4.87		ug/L		97	64 - 138	2	30
Xylenes, Total	15.0	15.1		ug/L		101	80 - 120	0	30
Tetrachloroethene	5.00	4.64		ug/L		93	80 - 120	0	30
cis-1,2-Dichloroethene	5.00	5.02		ug/L		100	80 - 122	2	30
trans-1,2-Dichloroethene	5.00	4.83		ug/L		97	80 - 122	1	30
Methyl tertiary butyl ether	5.00	4.75		ug/L		95	69 - 120	2	30
1,3,5-Trimethylbenzene	5.00	4.97		ug/L		99	80 - 120	0	30
1,3-Dichlorobenzene	5.00	4.83		ug/L		97	80 - 120	0	30
1,3-Dichloropropane	5.00	5.10		ug/L		102	80 - 120	1	30
Chloroform	5.00	5.06		ug/L		101	80 - 120	1	30
Benzene	5.00	5.16		ug/L		103	80 - 120	0	30
1,1,1-Trichloroethane	5.00	4.81		ug/L		96	78 - 126	0	30
Bromomethane	5.00	4.84		ug/L		97	60 - 136	0	30
Chloromethane	5.00	4.47		ug/L		89	56 - 124	7	30
Chloroethane	5.00	5.07		ug/L		101	63 - 120	3	30
2,2-Dichloropropane	5.00	5.21		ug/L		104	61 - 141	1	30
Vinyl chloride	5.00	4.59		ug/L		92	60 - 125	7	30
Methylene Chloride	5.00	4.88		ug/L		98	80 - 120	0	30
Carbon disulfide	5.00	5.09		ug/L		102	67 - 130	0	30
Bromoform	5.00	4.64		ug/L		93	49 - 144	2	30
Bromodichloromethane	5.00	4.98		ug/L		100	73 - 124	2	30
1,1-Dichloroethane	5.00	5.00		ug/L		100	74 - 120	1	30
2-Chlorotoluene	5.00	4.92		ug/L		98	80 - 120	1	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-289554/5

Matrix: Water

Analysis Batch: 289554

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	4.74		ug/L		95	80 - 131	0	30
Trichlorofluoromethane	5.00	4.62		ug/L		92	62 - 136	1	30
4-Chlorotoluene	5.00	5.06		ug/L		101	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.34		ug/L		87	43 - 123	1	30
1,2-Dichloropropane	5.00	5.13		ug/L		103	80 - 120	2	30
1,1,2-Trichloroethane	5.00	5.03		ug/L		101	80 - 120	1	30
Acrylonitrile	25.0	23.1		ug/L		93	64 - 139	5	30
Trichloroethene	5.00	4.95		ug/L		99	80 - 120	1	30
1,1,1,2-Tetrachloroethane	5.00	5.05		ug/L		101	75 - 123	4	30
1,2-Dichlorobenzene	5.00	4.73		ug/L		95	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	5.00	4.21		ug/L		84	56 - 148	2	30
Bromobenzene	5.00	5.01		ug/L		100	80 - 120	1	30
Bromochloromethane	5.00	5.01		ug/L		100	80 - 120	0	30
Isopropylbenzene	5.00	5.03		ug/L		101	80 - 120	1	30
Dibromomethane	5.00	4.88		ug/L		98	80 - 122	3	30
di-Isopropyl ether	5.00	5.25		ug/L		105	58 - 131	1	30
Ethyl t-butyl ether	5.00	5.08		ug/L		102	57 - 126	1	30
Hexachlorobutadiene	5.00	3.98		ug/L		80	72 - 132	1	30
Naphthalene	5.00	3.89		ug/L		78	64 - 122	4	30
n-Butylbenzene	5.00	5.06		ug/L		101	74 - 123	1	30
N-Propylbenzene	5.00	5.07		ug/L		101	74 - 122	3	30
p-Isopropyltoluene	5.00	5.09		ug/L		102	80 - 120	0	30
sec-Butylbenzene	5.00	5.03		ug/L		101	80 - 120	1	30
t-Amyl methyl ether	5.00	4.91		ug/L		98	65 - 125	0	30
t-Butyl alcohol	50.0	38.2		ug/L		76	62 - 138	8	30
tert-Butylbenzene	5.00	4.86		ug/L		97	79 - 120	1	30
trans-1,4-Dichloro-2-butene	25.0	22.3		ug/L		89	10 - 172	11	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-291080/5

Matrix: Water

Analysis Batch: 291080

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			08/30/22 11:39	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135		08/30/22 11:39	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 410-291080/6

Matrix: Water

Analysis Batch: 291080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1.10	0.957		mg/L		87	70 - 123
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135				

Lab Sample ID: LCSD 410-291080/7

Matrix: Water

Analysis Batch: 291080

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.978		mg/L		89	70 - 123	2	30
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
a,a,a-Trifluorotoluene (fid) (1C)	94		63 - 135						

Lab Sample ID: MB 410-291534/4

Matrix: Water

Analysis Batch: 291534

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			08/31/22 12:22	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135		08/31/22 12:22	1			

Lab Sample ID: LCS 410-291534/5

Matrix: Water

Analysis Batch: 291534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1.10	1.03		mg/L		93	70 - 123
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
a,a,a-Trifluorotoluene (fid) (1C)	94		63 - 135				

Lab Sample ID: LCSD 410-291534/6

Matrix: Water

Analysis Batch: 291534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	1.03		mg/L		94	70 - 123	1	30
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
a,a,a-Trifluorotoluene (fid) (1C)	94		63 - 135						

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-290227/1-A

Matrix: Water

Analysis Batch: 290519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 290227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/27/22 05:43	08/29/22 12:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -terphenyl (Surr)	118		37 - 153				08/27/22 05:43	08/29/22 12:48	1

Lab Sample ID: LCS 410-290227/2-A

Matrix: Water

Analysis Batch: 290519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 290227

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)	2650	2500		ug/L		94	78 - 133		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
<i>o</i> -terphenyl (Surr)	118		37 - 153						

Lab Sample ID: LCSD 410-290227/3-A

Matrix: Water

Analysis Batch: 290519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 290227

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2640	2480		ug/L		94	78 - 133	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
<i>o</i> -terphenyl (Surr)	119		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

GC/MS VOA

Analysis Batch: 289554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95591-1	MW-10A	Total/NA	Water	8260C LL	
410-95591-2	MW-10B	Total/NA	Water	8260C LL	
410-95591-3	MW-11B	Total/NA	Water	8260C LL	
MB 410-289554/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-289554/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-289554/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 291080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95591-1	MW-10A	Total/NA	Water	8015D	
MB 410-291080/5	Method Blank	Total/NA	Water	8015D	
LCS 410-291080/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-291080/7	Lab Control Sample Dup	Total/NA	Water	8015D	

Analysis Batch: 291534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95591-2	MW-10B	Total/NA	Water	8015D	
410-95591-3	MW-11B	Total/NA	Water	8015D	
MB 410-291534/4	Method Blank	Total/NA	Water	8015D	
LCS 410-291534/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-291534/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 290227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95591-1	MW-10A	Total/NA	Water	3511	
410-95591-2	MW-10B	Total/NA	Water	3511	
410-95591-3	MW-11B	Total/NA	Water	3511	
MB 410-290227/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-290227/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-290227/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 290519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95591-1	MW-10A	Total/NA	Water	8015D	290227
410-95591-2	MW-10B	Total/NA	Water	8015D	290227
410-95591-3	MW-11B	Total/NA	Water	8015D	290227
MB 410-290227/1-A	Method Blank	Total/NA	Water	8015D	290227
LCS 410-290227/2-A	Lab Control Sample	Total/NA	Water	8015D	290227
LCSD 410-290227/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	290227

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Client Sample ID: MW-10A

Lab Sample ID: 410-95591-1

Date Collected: 08/23/22 11:30

Matrix: Water

Date Received: 08/24/22 18:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	289554	DVW2	ELLE	08/25/22 13:52
Total/NA	Analysis	8015D		1	291080	NND8	ELLE	08/30/22 20:37
Total/NA	Prep	3511			290227	UMAD	ELLE	08/27/22 05:43
Total/NA	Analysis	8015D		1	290519	IUSB	ELLE	08/29/22 13:59

Client Sample ID: MW-10B

Lab Sample ID: 410-95591-2

Date Collected: 08/23/22 12:45

Matrix: Water

Date Received: 08/24/22 18:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	289554	DVW2	ELLE	08/25/22 14:13
Total/NA	Analysis	8015D		1	291534	NND8	ELLE	08/31/22 23:01
Total/NA	Prep	3511			290227	UMAD	ELLE	08/27/22 05:43
Total/NA	Analysis	8015D		1	290519	IUSB	ELLE	08/29/22 14:23

Client Sample ID: MW-11B

Lab Sample ID: 410-95591-3

Date Collected: 08/23/22 14:15

Matrix: Water

Date Received: 08/24/22 18:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	289554	DVW2	ELLE	08/25/22 14:34
Total/NA	Analysis	8015D		1	291534	NND8	ELLE	08/31/22 23:26
Total/NA	Prep	3511			290227	UMAD	ELLE	08/27/22 05:43
Total/NA	Analysis	8015D		1	290519	IUSB	ELLE	08/29/22 14:47

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95591-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95591-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95591-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-95591-1	MW-10A	Water	08/23/22 11:30	08/24/22 18:19
410-95591-2	MW-10B	Water	08/23/22 12:45	08/24/22 18:19
410-95591-3	MW-11B	Water	08/23/22 14:15	08/24/22 18:19

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Lancaster Laboratories Environmental

Environmental Analy.



410-95591 Chain of Custody

Page 2 of 2

f Custody

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested										For Lab Use Only						
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/> Sediment			Total # of Containers	Preservation Codes										SF #:					
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206		<input checked="" type="checkbox"/> Potable														SCR #:					
Sampler: <i>Joanna Kaliz</i>		PWSID #:		<input type="checkbox"/> Ground														Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other					
Phone #: 800-220-3606 x 3726		Quote #:		<input type="checkbox"/> Surface																			
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD				<input type="checkbox"/> NPDES																			
Sample Identification		Collection		<input type="checkbox"/> Soil			<input type="checkbox"/> Water			<input type="checkbox"/> Other:			Full Suite VOCs plus oxygenates and Naphthalene (8260)			TPH-GRO (8015B)			TPH-DRO (8015B)			Remarks	
		Date	Time	Grab	Composite																		
<i>MW-10A</i>		<i>8-23-22</i>	<i>1130</i>	<i>X</i>		<i>X</i>			<i>7</i>			<i>X</i>			<i>X</i>			<i>X</i>			EQEDD file name:		
<i>MW-10B</i>		<i>8-23-22</i>	<i>1245</i>	<i>X</i>		<i>X</i>			<i>7</i>			<i>X</i>			<i>X</i>			<i>X</i>			High's Store No 141-		
<i>MW-11B</i>		<i>8-23-22</i>	<i>1415</i>	<i>X</i>		<i>X</i>			<i>7</i>			<i>X</i>			<i>X</i>			<i>X</i>			lab report #.17962.		
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																					include PO #		
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>			Date: <i>8-23-22</i>			Time: <i>1616</i>			Received by: <i>Denise Woodring</i>			Date: <i>8-23-22</i>			Time: <i>1617</i>				
(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <i>Denise Woodring</i>			Date: <i>8-24-22</i>			Time: <i>1452</i>			Received by: <i>[Signature]</i>			Date: <i>8/24/22</i>			Time: <i>14:52</i>				
Date results are needed:				Relinquished by: <i>[Signature]</i>			Date: <i>8/24/22</i>			Time: <i>17:54</i>			Received by: <i>[Signature]</i>			Date: _____			Time: _____				
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
E-mail Address: <i>midatlantic@gesonline.com & ges@equisonline.com</i>				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
Phone: _____				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
Data Package Options (please check if required)				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: <i>8-24-22</i>			Time: <i>1819</i>				
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <i>GES EQEDD</i>				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____				
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				Relinquished by: _____			Date: _____			Time: _____			Received by: _____			Date: _____			Time: _____			Temperature upon receipt <i>14</i> °C	
				UPS _____ FedEx _____ Other _____																			

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-95591-1

Login Number: 95591

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Renner, Melissa

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-95913-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/7/2022 1:08:29 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

LINKS

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

A handwritten signature in cursive script that reads "Amek Carter".

Amek Carter
Project Manager
9/7/2022 1:08:29 AM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	17
QC Sample Results	18
QC Association Summary	28
Lab Chronicle	29
Certification Summary	30
Method Summary	32
Sample Summary	33
Chain of Custody	34
Receipt Checklists	35

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95913-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95913-1

Job ID: 410-95913-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-95913-1

Receipt

The samples were received on 8/26/2022 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The following analyte(s) recovered outside control limits for the LCS associated with 410-291906: 1,1,1-Trichloroethane and 1,1-Dichloroethene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-291906 recovered outside acceptance criteria, low biased, for 1,1,1-Trichloroethane, 2,2-Dichloropropane, Carbon disulfide, 1,1-Dichloroethene and t-Butyl alcohol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-9A (410-95913-1), MW-9B (410-95913-2), MW-8B (410-95913-3) and MW-8A (410-95913-4). The requested target analyte list includes Acrylonitrile, an acid-labile compound that degrades in an acidic medium.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: MW-9B (410-95913-2). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260C_LL: Internal standard (ISTD) response for the following sample was outside control limits: MW-9B (410-95913-2). The sample(s) was re-extracted and/or re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9A

Lab Sample ID: 410-95913-1

No Detections.

Client Sample ID: MW-9B

Lab Sample ID: 410-95913-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.25	J	1.0	0.10	ug/L	1		8260C LL	Total/NA
Naphthalene	0.51		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-8B

Lab Sample ID: 410-95913-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.11	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-8A

Lab Sample ID: 410-95913-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9A

Lab Sample ID: 410-95913-1

Date Collected: 08/24/22 10:45

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/01/22 20:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 20:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Styrene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 20:45	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/01/22 20:45	1
Toluene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/01/22 20:45	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/01/22 20:45	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/01/22 20:45	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Chloroform	ND		0.50	0.090	ug/L			09/01/22 20:45	1
Benzene	ND		0.50	0.10	ug/L			09/01/22 20:45	1
1,1,1-Trichloroethane	ND	*- cn	0.50	0.080	ug/L			09/01/22 20:45	1
Bromomethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
Chloromethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
Chloroethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
2,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 20:45	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/01/22 20:45	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/01/22 20:45	1
Carbon disulfide	ND	cn	1.0	0.10	ug/L			09/01/22 20:45	1
Bromoform	ND		1.0	0.30	ug/L			09/01/22 20:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,1-Dichloroethene	ND	*- cn	0.50	0.10	ug/L			09/01/22 20:45	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/01/22 20:45	1
Trichloroethene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/01/22 20:45	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 20:45	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/01/22 20:45	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9A

Lab Sample ID: 410-95913-1

Date Collected: 08/24/22 10:45

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Dibromomethane	ND		0.50	0.080	ug/L			09/01/22 20:45	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/01/22 20:45	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
Naphthalene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/01/22 20:45	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/01/22 20:45	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/01/22 20:45	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/01/22 20:45	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 20:45	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/01/22 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		09/01/22 20:45	1
Dibromofluoromethane (Surr)	107		80 - 120		09/01/22 20:45	1
4-Bromofluorobenzene (Surr)	92		80 - 120		09/01/22 20:45	1
Toluene-d8 (Surr)	99		80 - 120		09/01/22 20:45	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/01/22 13:05	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	96		37 - 153	08/31/22 07:31	09/01/22 03:55	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9B

Lab Sample ID: 410-95913-2

Date Collected: 08/24/22 11:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/22 19:50	1
cis-1,3-Dichloropropene	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
trans-1,3-Dichloropropene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Ethylbenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Styrene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
Styrene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,4-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,2-Dibromoethane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,1-Dichloropropene	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
1,2-Dichloroethane	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,2,3-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,2,3-Trichloropropane	ND	cn	1.0	0.10	ug/L			09/01/22 21:06	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/05/22 19:50	1
Toluene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Toluene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Chlorobenzene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,2,4-Trimethylbenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
Dibromochloromethane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Xylenes, Total	ND	cn	1.0	0.070	ug/L			09/01/22 21:06	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/05/22 19:50	1
Tetrachloroethene	ND	cn	0.50	0.20	ug/L			09/01/22 21:06	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/05/22 19:50	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Methyl tertiary butyl ether	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,3,5-Trimethylbenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,3-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,3-Dichloropropane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Chloroform	ND	cn	0.50	0.090	ug/L			09/01/22 21:06	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9B

Lab Sample ID: 410-95913-2

Date Collected: 08/24/22 11:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.50	0.090	ug/L			09/05/22 19:50	1
Benzene	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Benzene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
1,1,1-Trichloroethane	ND	*- cn	0.50	0.080	ug/L			09/01/22 21:06	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Bromomethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Bromomethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Chloromethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Chloromethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Chloroethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Chloroethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
2,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Methylene Chloride	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Carbon disulfide	ND	cn	1.0	0.10	ug/L			09/01/22 21:06	1
Carbon disulfide	0.25	J	1.0	0.10	ug/L			09/05/22 19:50	1
Bromoform	ND	cn	1.0	0.30	ug/L			09/01/22 21:06	1
Bromoform	ND		1.0	0.30	ug/L			09/05/22 19:50	1
Bromodichloromethane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,1-Dichloroethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
2-Chlorotoluene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,1-Dichloroethene	ND	*- cn	0.50	0.10	ug/L			09/01/22 21:06	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Trichlorofluoromethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
4-Chlorotoluene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Dichlorodifluoromethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
1,1,2-Trichloroethane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Acrylonitrile	ND	*3 cn	5.0	0.40	ug/L			09/01/22 21:06	1
Acrylonitrile	ND	*3 cn	5.0	0.40	ug/L			09/05/22 19:50	1
Trichloroethene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Trichloroethene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
1,1,1,2-Tetrachloroethane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/05/22 19:50	1
1,2-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			09/01/22 21:06	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 19:50	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/05/22 19:50	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9B

Lab Sample ID: 410-95913-2

Date Collected: 08/24/22 11:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Bromobenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Bromochloromethane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Isopropylbenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Dibromomethane	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Dibromomethane	ND		0.50	0.080	ug/L			09/05/22 19:50	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/05/22 19:50	1
Ethyl t-butyl ether	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
Naphthalene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
Naphthalene	0.51		0.50	0.080	ug/L			09/05/22 19:50	1
n-Butylbenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
N-Propylbenzene	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
p-Isopropyltoluene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
sec-Butylbenzene	ND	cn	0.50	0.10	ug/L			09/01/22 21:06	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/05/22 19:50	1
t-Amyl methyl ether	ND	cn	0.50	0.20	ug/L			09/01/22 21:06	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/05/22 19:50	1
t-Butyl alcohol	ND	*3 cn	10	3.0	ug/L			09/01/22 21:06	1
t-Butyl alcohol	ND	*3	10	3.0	ug/L			09/05/22 19:50	1
tert-Butylbenzene	ND	cn	0.50	0.080	ug/L			09/01/22 21:06	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/05/22 19:50	1
trans-1,4-Dichloro-2-butene	ND	*3 cn	5.0	2.0	ug/L			09/01/22 21:06	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/05/22 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	cn	80 - 120		09/01/22 21:06	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		09/05/22 19:50	1
Dibromofluoromethane (Surr)	104	cn	80 - 120		09/01/22 21:06	1
Dibromofluoromethane (Surr)	99		80 - 120		09/05/22 19:50	1
4-Bromofluorobenzene (Surr)	94	cn	80 - 120		09/01/22 21:06	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/05/22 19:50	1
Toluene-d8 (Surr)	99	cn	80 - 120		09/01/22 21:06	1
Toluene-d8 (Surr)	101		80 - 120		09/05/22 19:50	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/01/22 13:31	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9B

Lab Sample ID: 410-95913-2

Date Collected: 08/24/22 11:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-terphenyl (Surr)</i>	119		37 - 153				08/31/22 07:31	09/01/22 04:19	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-8B

Lab Sample ID: 410-95913-3

Date Collected: 08/24/22 13:15

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/01/22 21:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 21:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Styrene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 21:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/01/22 21:27	1
Toluene	0.11	J	0.50	0.080	ug/L			09/01/22 21:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/01/22 21:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/01/22 21:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/01/22 21:27	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Chloroform	ND		0.50	0.090	ug/L			09/01/22 21:27	1
Benzene	ND		0.50	0.10	ug/L			09/01/22 21:27	1
1,1,1-Trichloroethane	ND	*- cn	0.50	0.080	ug/L			09/01/22 21:27	1
Bromomethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
Chloromethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
Chloroethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
2,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 21:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/01/22 21:27	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/01/22 21:27	1
Carbon disulfide	ND	cn	1.0	0.10	ug/L			09/01/22 21:27	1
Bromoform	ND		1.0	0.30	ug/L			09/01/22 21:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,1-Dichloroethene	ND	*- cn	0.50	0.10	ug/L			09/01/22 21:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/01/22 21:27	1
Trichloroethene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/01/22 21:27	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/01/22 21:27	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-8B

Lab Sample ID: 410-95913-3

Date Collected: 08/24/22 13:15

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Dibromomethane	ND		0.50	0.080	ug/L			09/01/22 21:27	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/01/22 21:27	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
Naphthalene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/01/22 21:27	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/01/22 21:27	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/01/22 21:27	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/01/22 21:27	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/01/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		09/01/22 21:27	1
Dibromofluoromethane (Surr)	105		80 - 120		09/01/22 21:27	1
4-Bromofluorobenzene (Surr)	91		80 - 120		09/01/22 21:27	1
Toluene-d8 (Surr)	98		80 - 120		09/01/22 21:27	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/01/22 13:57	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	122		37 - 153	08/31/22 07:31	09/01/22 04:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-8A

Lab Sample ID: 410-95913-4

Date Collected: 08/24/22 14:05

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/01/22 21:49	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 21:49	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Styrene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 21:49	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/01/22 21:49	1
Toluene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/01/22 21:49	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/01/22 21:49	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/01/22 21:49	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Chloroform	ND		0.50	0.090	ug/L			09/01/22 21:49	1
Benzene	ND		0.50	0.10	ug/L			09/01/22 21:49	1
1,1,1-Trichloroethane	ND	*- cn	0.50	0.080	ug/L			09/01/22 21:49	1
Bromomethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
Chloromethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
Chloroethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
2,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 21:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/01/22 21:49	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/01/22 21:49	1
Carbon disulfide	ND	cn	1.0	0.10	ug/L			09/01/22 21:49	1
Bromoform	ND		1.0	0.30	ug/L			09/01/22 21:49	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,1-Dichloroethene	ND	*- cn	0.50	0.10	ug/L			09/01/22 21:49	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/01/22 21:49	1
Trichloroethene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/01/22 21:49	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 21:49	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/01/22 21:49	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-8A

Lab Sample ID: 410-95913-4

Date Collected: 08/24/22 14:05

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Dibromomethane	ND		0.50	0.080	ug/L			09/01/22 21:49	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/01/22 21:49	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
Naphthalene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/01/22 21:49	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/01/22 21:49	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/01/22 21:49	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/01/22 21:49	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 21:49	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/01/22 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/01/22 21:49	1
Dibromofluoromethane (Surr)	106		80 - 120		09/01/22 21:49	1
4-Bromofluorobenzene (Surr)	93		80 - 120		09/01/22 21:49	1
Toluene-d8 (Surr)	99		80 - 120		09/01/22 21:49	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/01/22 14:23	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	121		37 - 153	08/31/22 07:31	09/01/22 05:06	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-95913-1	MW-9A	106	107	92	99
410-95913-2	MW-9B	101 cn	104 cn	94 cn	99 cn
410-95913-2	MW-9B	99	99	98	101
410-95913-3	MW-8B	106	105	91	98
410-95913-4	MW-8A	104	106	93	99
LCS 410-291906/5	Lab Control Sample	101	99	102	110
LCS 410-292752/5	Lab Control Sample	103	102	99	100
LCSD 410-292752/6	Lab Control Sample Dup	103	103	99	100
MB 410-291906/7	Method Blank	105	106	92	101
MB 410-292752/10	Method Blank	104	102	97	99

Surrogate Legend
 DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-95913-1	MW-9A	102
410-95913-2	MW-9B	102
410-95913-3	MW-8B	101
410-95913-4	MW-8A	102
LCS 410-291885/5	Lab Control Sample	92
LCSD 410-291885/6	Lab Control Sample Dup	93
MB 410-291885/4	Method Blank	99

Surrogate Legend
 TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-95913-1	MW-9A	96
410-95913-2	MW-9B	119
410-95913-3	MW-8B	122
410-95913-4	MW-8A	121
LCS 410-291377/2-A	Lab Control Sample	131
LCSD 410-291377/3-A	Lab Control Sample Dup	121
MB 410-291377/1-A	Method Blank	122

Surrogate Legend
 OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-291906/7

Matrix: Water

Analysis Batch: 291906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/01/22 13:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Styrene	ND		0.50	0.070	ug/L			09/01/22 13:15	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 13:15	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/01/22 13:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 13:15	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/01/22 13:15	1
Toluene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/01/22 13:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 13:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/01/22 13:15	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/01/22 13:15	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 13:15	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Chloroform	ND		0.50	0.090	ug/L			09/01/22 13:15	1
Benzene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Bromomethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Chloromethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Chloroethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/01/22 13:15	1
Bromoform	ND		1.0	0.30	ug/L			09/01/22 13:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/01/22 13:15	1
Trichloroethene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/01/22 13:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-291906/7

Matrix: Water

Analysis Batch: 291906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Bromobenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Dibromomethane	ND		0.50	0.080	ug/L			09/01/22 13:15	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/01/22 13:15	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
Naphthalene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/01/22 13:15	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/01/22 13:15	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/01/22 13:15	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/01/22 13:15	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/01/22 13:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		09/01/22 13:15	1
Dibromofluoromethane (Surr)	106		80 - 120		09/01/22 13:15	1
4-Bromofluorobenzene (Surr)	92		80 - 120		09/01/22 13:15	1
Toluene-d8 (Surr)	101		80 - 120		09/01/22 13:15	1

Lab Sample ID: LCS 410-291906/5

Matrix: Water

Analysis Batch: 291906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	4.90		ug/L		98	67 - 121
trans-1,3-Dichloropropene	5.00	5.60		ug/L		112	61 - 129
Ethylbenzene	5.00	5.21		ug/L		104	80 - 120
Styrene	5.00	5.58		ug/L		112	80 - 120
1,4-Dichlorobenzene	5.00	5.21		ug/L		104	80 - 120
1,2-Dibromoethane	5.00	5.75		ug/L		115	80 - 120
1,1-Dichloropropene	5.00	4.97		ug/L		99	74 - 120
1,2-Dichloroethane	5.00	5.14		ug/L		103	69 - 122
1,2,3-Trichlorobenzene	5.00	4.87		ug/L		97	68 - 125
1,2,3-Trichloropropane	5.00	5.40		ug/L		108	80 - 125
Toluene	5.00	5.40		ug/L		108	80 - 120
Chlorobenzene	5.00	5.10		ug/L		102	80 - 120
1,2,4-Trimethylbenzene	5.00	5.27		ug/L		105	80 - 120
1,2,4-Trichlorobenzene	5.00	5.03		ug/L		101	68 - 122
Dibromochloromethane	5.00	5.73		ug/L		115	64 - 138
Xylenes, Total	15.0	15.9		ug/L		106	80 - 120
Tetrachloroethene	5.00	5.19		ug/L		104	80 - 120
cis-1,2-Dichloroethene	5.00	5.08		ug/L		102	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-291906/5

Matrix: Water

Analysis Batch: 291906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.47		ug/L		89	80 - 122
Methyl tertiary butyl ether	5.00	4.45		ug/L		89	69 - 120
1,3,5-Trimethylbenzene	5.00	5.13		ug/L		103	80 - 120
1,3-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
1,3-Dichloropropane	5.00	5.76		ug/L		115	80 - 120
Chloroform	5.00	5.00		ug/L		100	80 - 120
Benzene	5.00	5.07		ug/L		101	80 - 120
1,1,1-Trichloroethane	5.00	3.78	*-	ug/L		76	78 - 126
Bromomethane	5.00	5.22		ug/L		104	60 - 136
Chloromethane	5.00	4.93		ug/L		99	56 - 124
Chloroethane	5.00	4.84		ug/L		97	63 - 120
2,2-Dichloropropane	5.00	3.58		ug/L		72	61 - 141
Vinyl chloride	5.00	4.90		ug/L		98	60 - 125
Methylene Chloride	5.00	4.68		ug/L		94	80 - 120
Carbon disulfide	5.00	4.28		ug/L		86	67 - 130
Bromoform	5.00	5.47		ug/L		109	49 - 144
Bromodichloromethane	5.00	5.21		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	4.84		ug/L		97	74 - 120
2-Chlorotoluene	5.00	4.96		ug/L		99	80 - 120
1,1-Dichloroethene	5.00	3.69	*-	ug/L		74	80 - 131
Trichlorofluoromethane	5.00	4.22		ug/L		84	62 - 136
4-Chlorotoluene	5.00	5.05		ug/L		101	80 - 120
Dichlorodifluoromethane	5.00	4.22		ug/L		84	43 - 123
1,2-Dichloropropane	5.00	5.13		ug/L		103	80 - 120
1,1,2-Trichloroethane	5.00	5.70		ug/L		114	80 - 120
Acrylonitrile	25.0	24.5		ug/L		98	64 - 139
Trichloroethene	5.00	4.85		ug/L		97	80 - 120
1,1,1,2-Tetrachloroethane	5.00	5.39		ug/L		108	75 - 123
1,2-Dichlorobenzene	5.00	5.26		ug/L		105	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.25		ug/L		105	56 - 148
Bromobenzene	5.00	5.06		ug/L		101	80 - 120
Bromochloromethane	5.00	5.06		ug/L		101	80 - 120
Isopropylbenzene	5.00	5.48		ug/L		110	80 - 120
Dibromomethane	5.00	5.16		ug/L		103	80 - 122
di-Isopropyl ether	5.00	4.94		ug/L		99	58 - 131
Ethyl t-butyl ether	5.00	4.61		ug/L		92	57 - 126
Hexachlorobutadiene	5.00	4.68		ug/L		94	72 - 132
Naphthalene	5.00	5.07		ug/L		101	64 - 122
n-Butylbenzene	5.00	5.53		ug/L		111	74 - 123
N-Propylbenzene	5.00	5.08		ug/L		102	74 - 122
p-Isopropyltoluene	5.00	5.43		ug/L		109	80 - 120
sec-Butylbenzene	5.00	5.22		ug/L		104	80 - 120
t-Amyl methyl ether	5.00	4.81		ug/L		96	65 - 125
t-Butyl alcohol	50.0	41.9		ug/L		84	62 - 138
tert-Butylbenzene	5.00	4.87		ug/L		97	79 - 120
trans-1,4-Dichloro-2-butene	25.0	20.7		ug/L		83	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-291906/5

Matrix: Water

Analysis Batch: 291906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Toluene-d8 (Surr)	110		80 - 120

Lab Sample ID: MB 410-292752/10

Matrix: Water

Analysis Batch: 292752

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/22 13:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Styrene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/05/22 13:27	1
Toluene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/05/22 13:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/05/22 13:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/05/22 13:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Chloroform	ND		0.50	0.090	ug/L			09/05/22 13:27	1
Benzene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Bromomethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Chloromethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Chloroethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/05/22 13:27	1
Bromoform	ND		1.0	0.30	ug/L			09/05/22 13:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/05/22 13:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-292752/10

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 292752

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/05/22 13:27	1
Trichloroethene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/05/22 13:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Bromobenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Dibromomethane	ND		0.50	0.080	ug/L			09/05/22 13:27	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/05/22 13:27	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
Naphthalene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/05/22 13:27	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/05/22 13:27	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/05/22 13:27	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/05/22 13:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/05/22 13:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/05/22 13:27	1
Dibromofluoromethane (Surr)	102		80 - 120		09/05/22 13:27	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/05/22 13:27	1
Toluene-d8 (Surr)	99		80 - 120		09/05/22 13:27	1

Lab Sample ID: LCS 410-292752/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 292752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	4.94		ug/L		99	67 - 121
trans-1,3-Dichloropropene	5.00	5.02		ug/L		100	61 - 129
Ethylbenzene	5.00	4.72		ug/L		94	80 - 120
Styrene	5.00	4.82		ug/L		96	80 - 120
1,4-Dichlorobenzene	5.00	4.65		ug/L		93	80 - 120
1,2-Dibromoethane	5.00	4.93		ug/L		99	80 - 120
1,1-Dichloropropene	5.00	4.76		ug/L		95	74 - 120
1,2-Dichloroethane	5.00	4.73		ug/L		95	69 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292752/5

Matrix: Water

Analysis Batch: 292752

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,2,3-Trichlorobenzene	5.00	4.76		ug/L		95	68 - 125
1,2,3-Trichloropropane	5.00	4.69		ug/L		94	80 - 125
Toluene	5.00	4.69		ug/L		94	80 - 120
Chlorobenzene	5.00	4.66		ug/L		93	80 - 120
1,2,4-Trimethylbenzene	5.00	4.58		ug/L		92	80 - 120
1,2,4-Trichlorobenzene	5.00	4.70		ug/L		94	68 - 122
Dibromochloromethane	5.00	5.07		ug/L		101	64 - 138
Xylenes, Total	15.0	14.2		ug/L		95	80 - 120
Tetrachloroethene	5.00	4.79		ug/L		96	80 - 120
cis-1,2-Dichloroethene	5.00	4.97		ug/L		99	80 - 122
trans-1,2-Dichloroethene	5.00	4.79		ug/L		96	80 - 122
Methyl tertiary butyl ether	5.00	5.02		ug/L		100	69 - 120
1,3,5-Trimethylbenzene	5.00	4.51		ug/L		90	80 - 120
1,3-Dichlorobenzene	5.00	4.61		ug/L		92	80 - 120
1,3-Dichloropropane	5.00	4.73		ug/L		95	80 - 120
Chloroform	5.00	4.78		ug/L		96	80 - 120
Benzene	5.00	4.78		ug/L		96	80 - 120
1,1,1-Trichloroethane	5.00	4.81		ug/L		96	78 - 126
Bromomethane	5.00	4.85		ug/L		97	60 - 136
Chloromethane	5.00	4.56		ug/L		91	56 - 124
Chloroethane	5.00	4.68		ug/L		94	63 - 120
2,2-Dichloropropane	5.00	4.94		ug/L		99	61 - 141
Vinyl chloride	5.00	4.75		ug/L		95	60 - 125
Methylene Chloride	5.00	4.91		ug/L		98	80 - 120
Carbon disulfide	5.00	5.38		ug/L		108	67 - 130
Bromoform	5.00	5.27		ug/L		105	49 - 144
Bromodichloromethane	5.00	4.98		ug/L		100	73 - 124
1,1-Dichloroethane	5.00	4.65		ug/L		93	74 - 120
2-Chlorotoluene	5.00	4.56		ug/L		91	80 - 120
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	4.73		ug/L		95	62 - 136
4-Chlorotoluene	5.00	4.61		ug/L		92	80 - 120
Dichlorodifluoromethane	5.00	4.54		ug/L		91	43 - 123
1,2-Dichloropropane	5.00	4.69		ug/L		94	80 - 120
1,1,2-Trichloroethane	5.00	4.87		ug/L		97	80 - 120
Acrylonitrile	25.0	23.9		ug/L		96	64 - 139
Trichloroethene	5.00	4.81		ug/L		96	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.75		ug/L		95	75 - 123
1,2-Dichlorobenzene	5.00	4.64		ug/L		93	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.80		ug/L		96	56 - 148
Bromobenzene	5.00	4.77		ug/L		95	80 - 120
Bromochloromethane	5.00	5.07		ug/L		101	80 - 120
Isopropylbenzene	5.00	4.77		ug/L		95	80 - 120
Dibromomethane	5.00	4.91		ug/L		98	80 - 122
di-Isopropyl ether	5.00	4.80		ug/L		96	58 - 131
Ethyl t-butyl ether	5.00	4.97		ug/L		99	57 - 126
Hexachlorobutadiene	5.00	4.84		ug/L		97	72 - 132
Naphthalene	5.00	4.82		ug/L		96	64 - 122
n-Butylbenzene	5.00	4.58		ug/L		92	74 - 123

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292752/5

Matrix: Water

Analysis Batch: 292752

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	5.00	4.50		ug/L		90	74 - 122
p-Isopropyltoluene	5.00	4.63		ug/L		93	80 - 120
sec-Butylbenzene	5.00	4.66		ug/L		93	80 - 120
t-Amyl methyl ether	5.00	5.10		ug/L		102	65 - 125
t-Butyl alcohol	50.0	42.7		ug/L		85	62 - 138
tert-Butylbenzene	5.00	4.78		ug/L		96	79 - 120
trans-1,4-Dichloro-2-butene	25.0	23.4		ug/L		94	10 - 172

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 410-292752/6

Matrix: Water

Analysis Batch: 292752

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.85		ug/L		97	71 - 134	0	30
cis-1,3-Dichloropropene	5.00	4.83		ug/L		97	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.04		ug/L		101	61 - 129	0	30
Ethylbenzene	5.00	4.74		ug/L		95	80 - 120	0	30
Styrene	5.00	4.80		ug/L		96	80 - 120	0	30
1,4-Dichlorobenzene	5.00	4.71		ug/L		94	80 - 120	1	30
1,2-Dibromoethane	5.00	4.90		ug/L		98	80 - 120	1	30
1,1-Dichloropropene	5.00	4.73		ug/L		95	74 - 120	0	30
1,2-Dichloroethane	5.00	4.51		ug/L		90	69 - 122	5	30
1,2,3-Trichlorobenzene	5.00	4.90		ug/L		98	68 - 125	3	30
1,2,3-Trichloropropane	5.00	4.87		ug/L		97	80 - 125	4	30
Toluene	5.00	4.66		ug/L		93	80 - 120	1	30
Chlorobenzene	5.00	4.68		ug/L		94	80 - 120	0	30
1,2,4-Trimethylbenzene	5.00	4.65		ug/L		93	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	4.86		ug/L		97	68 - 122	3	30
Dibromochloromethane	5.00	4.95		ug/L		99	64 - 138	2	30
Xylenes, Total	15.0	14.2		ug/L		95	80 - 120	0	30
Tetrachloroethene	5.00	4.83		ug/L		97	80 - 120	1	30
cis-1,2-Dichloroethene	5.00	4.95		ug/L		99	80 - 122	0	30
trans-1,2-Dichloroethene	5.00	4.78		ug/L		96	80 - 122	0	30
Methyl tertiary butyl ether	5.00	5.05		ug/L		101	69 - 120	0	30
1,3,5-Trimethylbenzene	5.00	4.63		ug/L		93	80 - 120	3	30
1,3-Dichlorobenzene	5.00	4.71		ug/L		94	80 - 120	2	30
1,3-Dichloropropane	5.00	4.74		ug/L		95	80 - 120	0	30
Chloroform	5.00	4.73		ug/L		95	80 - 120	1	30
Benzene	5.00	4.77		ug/L		95	80 - 120	0	30
1,1,1-Trichloroethane	5.00	4.80		ug/L		96	78 - 126	0	30
Bromomethane	5.00	4.84		ug/L		97	60 - 136	0	30
Chloromethane	5.00	4.50		ug/L		90	56 - 124	1	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-292752/6

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 292752

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Chloroethane	5.00	4.70		ug/L		94	63 - 120	0	30
2,2-Dichloropropane	5.00	4.91		ug/L		98	61 - 141	1	30
Vinyl chloride	5.00	4.74		ug/L		95	60 - 125	0	30
Methylene Chloride	5.00	4.81		ug/L		96	80 - 120	2	30
Carbon disulfide	5.00	5.35		ug/L		107	67 - 130	1	30
Bromoform	5.00	5.23		ug/L		105	49 - 144	1	30
Bromodichloromethane	5.00	4.93		ug/L		99	73 - 124	1	30
1,1-Dichloroethane	5.00	4.67		ug/L		93	74 - 120	0	30
2-Chlorotoluene	5.00	4.64		ug/L		93	80 - 120	2	30
1,1-Dichloroethene	5.00	5.00		ug/L		100	80 - 131	0	30
Trichlorofluoromethane	5.00	4.84		ug/L		97	62 - 136	2	30
4-Chlorotoluene	5.00	4.73		ug/L		95	80 - 120	3	30
Dichlorodifluoromethane	5.00	4.47		ug/L		89	43 - 123	2	30
1,2-Dichloropropane	5.00	4.72		ug/L		94	80 - 120	1	30
1,1,2-Trichloroethane	5.00	4.81		ug/L		96	80 - 120	1	30
Acrylonitrile	25.0	23.4		ug/L		94	64 - 139	2	30
Trichloroethene	5.00	4.73		ug/L		95	80 - 120	2	30
1,1,2,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123	2	30
1,2-Dichlorobenzene	5.00	4.71		ug/L		94	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	4.99		ug/L		100	56 - 148	4	30
Bromobenzene	5.00	4.88		ug/L		98	80 - 120	2	30
Bromochloromethane	5.00	4.99		ug/L		100	80 - 120	1	30
Isopropylbenzene	5.00	4.82		ug/L		96	80 - 120	1	30
Dibromomethane	5.00	4.84		ug/L		97	80 - 122	2	30
di-Isopropyl ether	5.00	4.74		ug/L		95	58 - 131	1	30
Ethyl t-butyl ether	5.00	4.97		ug/L		99	57 - 126	0	30
Hexachlorobutadiene	5.00	4.94		ug/L		99	72 - 132	2	30
Naphthalene	5.00	4.95		ug/L		99	64 - 122	3	30
n-Butylbenzene	5.00	4.67		ug/L		93	74 - 123	2	30
N-Propylbenzene	5.00	4.61		ug/L		92	74 - 122	2	30
p-Isopropyltoluene	5.00	4.74		ug/L		95	80 - 120	2	30
sec-Butylbenzene	5.00	4.78		ug/L		96	80 - 120	3	30
t-Amyl methyl ether	5.00	5.06		ug/L		101	65 - 125	1	30
t-Butyl alcohol	50.0	40.2		ug/L		80	62 - 138	6	30
tert-Butylbenzene	5.00	4.91		ug/L		98	79 - 120	3	30
trans-1,4-Dichloro-2-butene	25.0	23.3		ug/L		93	10 - 172	0	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-291885/4
Matrix: Water
Analysis Batch: 291885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 11:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135					09/01/22 11:21	1

Lab Sample ID: LCS 410-291885/5
Matrix: Water
Analysis Batch: 291885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
GRO (1C)	1.10	0.967		mg/L		88	70 - 123	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135					

Lab Sample ID: LCSD 410-291885/6
Matrix: Water
Analysis Batch: 291885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.965		mg/L		88	70 - 123	0	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-291377/1-A
Matrix: Water
Analysis Batch: 291732

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 02:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	122		37 - 153				08/31/22 07:31	09/01/22 02:43	1

Lab Sample ID: LCS 410-291377/2-A
Matrix: Water
Analysis Batch: 291732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
DRO (C10-C28)	2650	2380		ug/L		90	78 - 133	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
o-terphenyl (Surr)	131		37 - 153					

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 410-291377/3-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2650	2260		ug/L		85	78 - 133	5	20
Surrogate									
<i>o</i> -terphenyl (Surr)									

	LCSD %Recovery	LCSD Qualifier	LCSD Limits
<i>o</i> -terphenyl (Surr)	121		37 - 153

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QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

GC/MS VOA

Analysis Batch: 291906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95913-1	MW-9A	Total/NA	Water	8260C LL	
410-95913-2	MW-9B	Total/NA	Water	8260C LL	
410-95913-3	MW-8B	Total/NA	Water	8260C LL	
410-95913-4	MW-8A	Total/NA	Water	8260C LL	
MB 410-291906/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-291906/5	Lab Control Sample	Total/NA	Water	8260C LL	

Analysis Batch: 292752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95913-2	MW-9B	Total/NA	Water	8260C LL	
MB 410-292752/10	Method Blank	Total/NA	Water	8260C LL	
LCS 410-292752/5	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-292752/6	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 291885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95913-1	MW-9A	Total/NA	Water	8015D	
410-95913-2	MW-9B	Total/NA	Water	8015D	
410-95913-3	MW-8B	Total/NA	Water	8015D	
410-95913-4	MW-8A	Total/NA	Water	8015D	
MB 410-291885/4	Method Blank	Total/NA	Water	8015D	
LCS 410-291885/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-291885/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 291377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95913-1	MW-9A	Total/NA	Water	3511	
410-95913-2	MW-9B	Total/NA	Water	3511	
410-95913-3	MW-8B	Total/NA	Water	3511	
410-95913-4	MW-8A	Total/NA	Water	3511	
MB 410-291377/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 291732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95913-1	MW-9A	Total/NA	Water	8015D	291377
410-95913-2	MW-9B	Total/NA	Water	8015D	291377
410-95913-3	MW-8B	Total/NA	Water	8015D	291377
410-95913-4	MW-8A	Total/NA	Water	8015D	291377
MB 410-291377/1-A	Method Blank	Total/NA	Water	8015D	291377
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	8015D	291377
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	291377

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Client Sample ID: MW-9A
Date Collected: 08/24/22 10:45
Date Received: 08/26/22 16:50

Lab Sample ID: 410-95913-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	291906	DVW2	ELLE	09/01/22 20:45
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 13:05
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 03:55

Client Sample ID: MW-9B
Date Collected: 08/24/22 11:55
Date Received: 08/26/22 16:50

Lab Sample ID: 410-95913-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292752	DVW2	ELLE	09/05/22 19:50
Total/NA	Analysis	8260C LL		1	291906	DVW2	ELLE	09/01/22 21:06
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 13:31
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 04:19

Client Sample ID: MW-8B
Date Collected: 08/24/22 13:15
Date Received: 08/26/22 16:50

Lab Sample ID: 410-95913-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	291906	DVW2	ELLE	09/01/22 21:27
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 13:57
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 04:42

Client Sample ID: MW-8A
Date Collected: 08/24/22 14:05
Date Received: 08/26/22 16:50

Lab Sample ID: 410-95913-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	291906	DVW2	ELLE	09/01/22 21:49
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 14:23
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 05:06

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95913-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95913-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95913-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-95913-1	MW-9A	Water	08/24/22 10:45	08/26/22 16:50
410-95913-2	MW-9B	Water	08/24/22 11:55	08/26/22 16:50
410-95913-3	MW-8B	Water	08/24/22 13:15	08/26/22 16:50
410-95913-4	MW-8A	Water	08/24/22 14:05	08/26/22 16:50

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Lancaster Laboratories
Environmental

Environmental Analysis



410-95913 Chain of Custody

Page 1 of 1

ustody

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested										For Lab Use Only				
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/> Soil	<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Potable	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Surface	Preservation Codes										SF #:		
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206		<input type="checkbox"/> Water	<input type="checkbox"/> NPDES	Other:													SCR #:		
Sampler: <u>Donna Kalb</u>		PWSID #:		Total # of Containers			Full Suite VOCs plus oxygenates and Naphthalene (8260)			TPH-GRO (8015B)			TPH-DRO (8015B)			Preservation Codes					
Phone #: 800-220-3606 x 3726		Quote #:					H			H			H			H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₂ PO ₄ O = Other					
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD				Collection		Grab		Composite												Remarks	
Sample Identification		Date	Time							Full Suite VOCs plus oxygenates and Naphthalene (8260)			TPH-GRO (8015B)			TPH-DRO (8015B)			EQEDD file name:		
<u>MW-9A</u>		<u>8/24/22</u>	<u>1045</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							High's Store No 141-		
<u>MW-9B</u>		<u>8/24/22</u>	<u>1155</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							lab report #.17962.		
<u>MW-8B</u>		<u>8/24/22</u>	<u>1315</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							EQEDD.zip		
<u>MW-8A</u>		<u>8/24/22</u>	<u>1405</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							Send invoice to:		
																			ges-invoices@		
																			gesonline.com &		
																			include PO #		
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by:			Date	Time	Received by:			Date	Time								
(Rush TAT is subject to laboratory approval and surcharges.)				<u>Donna Kalb</u>			<u>8/24/22</u>	<u>1600</u>	<u>Denise Woodring</u>			<u>8-24-22</u>	<u>1602</u>								
Date results are needed:				Relinquished by:			Date	Time	Received by:			Date	Time								
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				<u>Denise Woodring</u>			<u>8-26-22</u>	<u>1343</u>	<u>John</u>			<u>8/26/22</u>	<u>1343</u>								
E-mail Address: <u>midatlantic@gesonline.com & ges@equisonline.com</u>				Relinquished by:			Date	Time	Received by:			Date	Time								
Phone:				<u>John</u>			<u>8/26/22</u>	<u>16:48</u>													
Data Package Options (please check if required)				Relinquished by:			Date	Time	Received by:			Date	Time								
Type I (Validation/non-CLP) <input type="checkbox"/>	MA MCP <input type="checkbox"/>																				
Type III (Reduced non-CLP) <input type="checkbox"/>	CT RCP <input type="checkbox"/>																				
Type VI (Raw Data Only) <input type="checkbox"/>	TX TRRP-13 <input type="checkbox"/>																				
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by:			Date	Time	Received by:			Date	Time								
									<u>Alan</u>			<u>8/26/22</u>	<u>1650</u>								
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				Relinquished by Commercial Carrier:																	
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				UPS _____ FedEx _____ Other _____									Temperature upon receipt <u>2.1</u> °C								

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-95913-1

Login Number: 95913

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-95912-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/7/2022 12:58:34 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style.

Amek Carter
Project Manager
9/7/2022 12:58:35 AM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	19
QC Sample Results	21
QC Association Summary	27
Lab Chronicle	28
Certification Summary	30
Method Summary	32
Sample Summary	33
Chain of Custody	34
Receipt Checklists	35



Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95912-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95912-1

Job ID: 410-95912-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-95912-1

Receipt

The samples were received on 8/26/2022 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292913 recovered outside acceptance criteria, low biased, for t-Butyl alcohol and trans-1,4-Dichloro-2-butene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-25B (410-95912-1), MW-12B (410-95912-2), MW-6 (410-95912-3), MW-2 (410-95912-4), MW-1 (410-95912-5) and MW-5B (410-95912-6). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-25B

Lab Sample ID: 410-95912-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.46	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.29	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-12B

Lab Sample ID: 410-95912-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.098	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Tetrachloroethene	0.37	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.22	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 410-95912-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.31	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	0.48	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 410-95912-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.27	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 410-95912-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.25	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	0.11	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-5B

Lab Sample ID: 410-95912-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.12	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Benzene	0.11	J	0.50	0.10	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-25B

Lab Sample ID: 410-95912-1

Date Collected: 08/24/22 10:10

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 16:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 16:23	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 16:23	1
Tetrachloroethene	0.46	J	0.50	0.20	ug/L			09/06/22 16:23	1
cis-1,2-Dichloroethene	0.29	J	0.50	0.080	ug/L			09/06/22 16:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 16:23	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 16:23	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 16:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 16:23	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 16:23	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 16:23	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-25B

Lab Sample ID: 410-95912-1

Date Collected: 08/24/22 10:10

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 16:23	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 16:23	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:23	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 16:23	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/06/22 16:23	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:23	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/06/22 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/06/22 16:23	1
Dibromofluoromethane (Surr)	101		80 - 120		09/06/22 16:23	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/06/22 16:23	1
Toluene-d8 (Surr)	99		80 - 120		09/06/22 16:23	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/01/22 19:55	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	123		37 - 153	09/02/22 07:49	09/02/22 20:39	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-12B

Lab Sample ID: 410-95912-2

Date Collected: 08/24/22 11:05

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 16:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 16:45	1
Toluene	0.098	J	0.50	0.080	ug/L			09/06/22 16:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 16:45	1
Tetrachloroethene	0.37	J	0.50	0.20	ug/L			09/06/22 16:45	1
cis-1,2-Dichloroethene	0.22	J	0.50	0.080	ug/L			09/06/22 16:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 16:45	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 16:45	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 16:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 16:45	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 16:45	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:45	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 16:45	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-12B

Lab Sample ID: 410-95912-2

Date Collected: 08/24/22 11:05

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 16:45	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 16:45	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:45	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 16:45	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/06/22 16:45	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:45	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/06/22 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/06/22 16:45	1
Dibromofluoromethane (Surr)	102		80 - 120		09/06/22 16:45	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/06/22 16:45	1
Toluene-d8 (Surr)	99		80 - 120		09/06/22 16:45	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135		09/01/22 20:20	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	124		37 - 153	09/02/22 07:49	09/02/22 21:02	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-6

Lab Sample ID: 410-95912-3

Date Collected: 08/24/22 12:05

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 17:07	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 17:07	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 17:07	1
Tetrachloroethene	0.31	J	0.50	0.20	ug/L			09/06/22 17:07	1
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L			09/06/22 17:07	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Methyl tertiary butyl ether	0.48	J	0.50	0.080	ug/L			09/06/22 17:07	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 17:07	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 17:07	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 17:07	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 17:07	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 17:07	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:07	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 17:07	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-6

Lab Sample ID: 410-95912-3

Date Collected: 08/24/22 12:05

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 17:07	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 17:07	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:07	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 17:07	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/06/22 17:07	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:07	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/06/22 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/06/22 17:07	1
Dibromofluoromethane (Surr)	101		80 - 120		09/06/22 17:07	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/06/22 17:07	1
Toluene-d8 (Surr)	98		80 - 120		09/06/22 17:07	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/01/22 20:46	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	122		37 - 153	09/02/22 07:49	09/02/22 21:26	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-2

Lab Sample ID: 410-95912-4

Date Collected: 08/24/22 12:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 17:29	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 17:29	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 17:29	1
Tetrachloroethene	0.27	J	0.50	0.20	ug/L			09/06/22 17:29	1
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L			09/06/22 17:29	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 17:29	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 17:29	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 17:29	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 17:29	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 17:29	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:29	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 17:29	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-2

Lab Sample ID: 410-95912-4

Date Collected: 08/24/22 12:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 17:29	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 17:29	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:29	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 17:29	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/06/22 17:29	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:29	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/06/22 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/06/22 17:29	1
Dibromofluoromethane (Surr)	101		80 - 120		09/06/22 17:29	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/06/22 17:29	1
Toluene-d8 (Surr)	99		80 - 120		09/06/22 17:29	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/01/22 21:11	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	120		37 - 153	09/02/22 07:49	09/02/22 21:50	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-1

Lab Sample ID: 410-95912-5

Date Collected: 08/24/22 13:50

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 17:51	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 17:51	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 17:51	1
Tetrachloroethene	0.25	J	0.50	0.20	ug/L			09/06/22 17:51	1
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L			09/06/22 17:51	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Methyl tertiary butyl ether	0.11	J	0.50	0.080	ug/L			09/06/22 17:51	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 17:51	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 17:51	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 17:51	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 17:51	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 17:51	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:51	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 17:51	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-1

Lab Sample ID: 410-95912-5

Date Collected: 08/24/22 13:50

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 17:51	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 17:51	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:51	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 17:51	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/06/22 17:51	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:51	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/06/22 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/06/22 17:51	1
Dibromofluoromethane (Surr)	102		80 - 120		09/06/22 17:51	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/06/22 17:51	1
Toluene-d8 (Surr)	99		80 - 120		09/06/22 17:51	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/01/22 21:37	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	120		37 - 153	09/02/22 07:49	09/02/22 22:14	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-5B

Lab Sample ID: 410-95912-6

Date Collected: 08/24/22 15:00

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 18:13	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:13	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:13	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 18:13	1
Toluene	0.15	J	0.50	0.080	ug/L			09/06/22 18:13	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 18:13	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 18:13	1
cis-1,2-Dichloroethene	0.12	J	0.50	0.080	ug/L			09/06/22 18:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 18:13	1
Benzene	0.11	J	0.50	0.10	ug/L			09/06/22 18:13	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 18:13	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 18:13	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 18:13	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 18:13	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:13	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 18:13	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-5B

Lab Sample ID: 410-95912-6

Date Collected: 08/24/22 15:00

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 18:13	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 18:13	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:13	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:13	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 18:13	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/06/22 18:13	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:13	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/06/22 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/06/22 18:13	1
Dibromofluoromethane (Surr)	101		80 - 120		09/06/22 18:13	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/06/22 18:13	1
Toluene-d8 (Surr)	99		80 - 120		09/06/22 18:13	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	103		63 - 135		09/01/22 22:03	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	122		37 - 153	09/02/22 07:49	09/02/22 22:38	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-95912-1	MW-25B	102	101	99	99
410-95912-2	MW-12B	102	102	98	99
410-95912-3	MW-6	102	101	98	98
410-95912-4	MW-2	101	101	99	99
410-95912-5	MW-1	103	102	98	99
410-95912-6	MW-5B	103	101	99	99
LCS 410-292913/4	Lab Control Sample	100	102	100	100
LCSD 410-292913/5	Lab Control Sample Dup	100	102	100	100
MB 410-292913/7	Method Blank	101	101	98	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-95912-1	MW-25B	101
410-95912-2	MW-12B	100
410-95912-3	MW-6	102
410-95912-4	MW-2	101
410-95912-5	MW-1	102
410-95912-6	MW-5B	103
LCS 410-291885/5	Lab Control Sample	92
LCSD 410-291885/6	Lab Control Sample Dup	93
MB 410-291885/4	Method Blank	99

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-95912-1	MW-25B	123
410-95912-2	MW-12B	124
410-95912-3	MW-6	122
410-95912-4	MW-2	120
410-95912-5	MW-1	120
410-95912-6	MW-5B	122
LCS 410-292283/2-A	Lab Control Sample	125
LCSD 410-292283/3-A	Lab Control Sample Dup	124
MB 410-292283/1-A	Method Blank	97

Surrogate Legend

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-95912-1

Project/Site: High's Store No. 141

OTP = o- terphenyl (Surr)

1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-292913/7

Matrix: Water

Analysis Batch: 292913

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 11:36	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 11:36	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 11:36	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 11:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 11:36	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 11:36	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 11:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 11:36	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 11:36	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 11:36	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 11:36	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 11:36	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 11:36	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 11:36	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/06/22 11:36	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 11:36	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-292913/7

Matrix: Water

Analysis Batch: 292913

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 11:36	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 11:36	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 11:36	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 11:36	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 11:36	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 11:36	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 11:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/06/22 11:36	1
Dibromofluoromethane (Surr)	101		80 - 120		09/06/22 11:36	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/06/22 11:36	1
Toluene-d8 (Surr)	99		80 - 120		09/06/22 11:36	1

Lab Sample ID: LCS 410-292913/4

Matrix: Water

Analysis Batch: 292913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.37		ug/L		107	67 - 121
trans-1,3-Dichloropropene	5.00	5.71		ug/L		114	61 - 129
Ethylbenzene	5.00	5.04		ug/L		101	80 - 120
Styrene	5.00	5.13		ug/L		103	80 - 120
1,4-Dichlorobenzene	5.00	4.85		ug/L		97	80 - 120
1,2-Dibromoethane	5.00	5.22		ug/L		104	80 - 120
1,1-Dichloropropene	5.00	5.22		ug/L		104	74 - 120
1,2-Dichloroethane	5.00	5.20		ug/L		104	69 - 122
1,2,3-Trichlorobenzene	5.00	5.05		ug/L		101	68 - 125
1,2,3-Trichloropropane	5.00	5.25		ug/L		105	80 - 125
Toluene	5.00	5.07		ug/L		101	80 - 120
Chlorobenzene	5.00	5.06		ug/L		101	80 - 120
1,2,4-Trimethylbenzene	5.00	5.05		ug/L		101	80 - 120
1,2,4-Trichlorobenzene	5.00	4.98		ug/L		100	68 - 122
Dibromochloromethane	5.00	5.84		ug/L		117	64 - 138
Xylenes, Total	15.0	15.5		ug/L		103	80 - 120
Tetrachloroethene	5.00	5.20		ug/L		104	80 - 120
cis-1,2-Dichloroethene	5.00	5.31		ug/L		106	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292913/4

Matrix: Water

Analysis Batch: 292913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	5.05		ug/L		101	80 - 122
Methyl tertiary butyl ether	5.00	5.09		ug/L		102	69 - 120
1,3,5-Trimethylbenzene	5.00	5.04		ug/L		101	80 - 120
1,3-Dichlorobenzene	5.00	4.94		ug/L		99	80 - 120
1,3-Dichloropropane	5.00	5.23		ug/L		105	80 - 120
Chloroform	5.00	5.17		ug/L		103	80 - 120
Benzene	5.00	5.13		ug/L		103	80 - 120
1,1,1-Trichloroethane	5.00	5.33		ug/L		107	78 - 126
Bromomethane	5.00	4.94		ug/L		99	60 - 136
Chloromethane	5.00	5.13		ug/L		103	56 - 124
Chloroethane	5.00	5.04		ug/L		101	63 - 120
2,2-Dichloropropane	5.00	5.62		ug/L		112	61 - 141
Vinyl chloride	5.00	4.98		ug/L		100	60 - 125
Methylene Chloride	5.00	5.12		ug/L		102	80 - 120
Carbon disulfide	5.00	6.04		ug/L		121	67 - 130
Bromoform	5.00	6.15		ug/L		123	49 - 144
Bromodichloromethane	5.00	5.59		ug/L		112	73 - 124
1,1-Dichloroethane	5.00	4.99		ug/L		100	74 - 120
2-Chlorotoluene	5.00	5.00		ug/L		100	80 - 120
1,1-Dichloroethene	5.00	5.16		ug/L		103	80 - 131
Trichlorofluoromethane	5.00	5.22		ug/L		104	62 - 136
4-Chlorotoluene	5.00	5.02		ug/L		100	80 - 120
Dichlorodifluoromethane	5.00	5.03		ug/L		101	43 - 123
1,2-Dichloropropane	5.00	5.17		ug/L		103	80 - 120
1,1,2-Trichloroethane	5.00	5.26		ug/L		105	80 - 120
Acrylonitrile	25.0	28.0		ug/L		112	64 - 139
Trichloroethene	5.00	5.18		ug/L		104	80 - 120
1,1,1,2-Tetrachloroethane	5.00	5.18		ug/L		104	75 - 123
1,2-Dichlorobenzene	5.00	4.93		ug/L		99	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.44		ug/L		109	56 - 148
Bromobenzene	5.00	5.17		ug/L		103	80 - 120
Bromochloromethane	5.00	5.39		ug/L		108	80 - 120
Isopropylbenzene	5.00	5.24		ug/L		105	80 - 120
Dibromomethane	5.00	5.35		ug/L		107	80 - 122
di-Isopropyl ether	5.00	5.12		ug/L		102	58 - 131
Ethyl t-butyl ether	5.00	5.21		ug/L		104	57 - 126
Hexachlorobutadiene	5.00	5.20		ug/L		104	72 - 132
Naphthalene	5.00	4.96		ug/L		99	64 - 122
n-Butylbenzene	5.00	4.98		ug/L		100	74 - 123
N-Propylbenzene	5.00	5.02		ug/L		100	74 - 122
p-Isopropyltoluene	5.00	5.16		ug/L		103	80 - 120
sec-Butylbenzene	5.00	5.22		ug/L		104	80 - 120
t-Amyl methyl ether	5.00	5.35		ug/L		107	65 - 125
t-Butyl alcohol	50.0	44.2		ug/L		88	62 - 138
tert-Butylbenzene	5.00	4.91		ug/L		98	79 - 120
trans-1,4-Dichloro-2-butene	25.0	20.3		ug/L		81	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292913/4

Matrix: Water

Analysis Batch: 292913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 410-292913/5

Matrix: Water

Analysis Batch: 292913

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
1,1,1,2-Tetrachloroethane	5.00	5.15		ug/L		103	71 - 134	7	30
cis-1,3-Dichloropropene	5.00	5.01		ug/L		100	67 - 121	7	30
trans-1,3-Dichloropropene	5.00	5.26		ug/L		105	61 - 129	8	30
Ethylbenzene	5.00	4.70		ug/L		94	80 - 120	7	30
Styrene	5.00	4.77		ug/L		95	80 - 120	7	30
1,4-Dichlorobenzene	5.00	4.53		ug/L		91	80 - 120	7	30
1,2-Dibromoethane	5.00	4.94		ug/L		99	80 - 120	5	30
1,1-Dichloropropene	5.00	4.77		ug/L		95	74 - 120	9	30
1,2-Dichloroethane	5.00	4.85		ug/L		97	69 - 122	7	30
1,2,3-Trichlorobenzene	5.00	4.66		ug/L		93	68 - 125	8	30
1,2,3-Trichloropropane	5.00	4.96		ug/L		99	80 - 125	6	30
Toluene	5.00	4.68		ug/L		94	80 - 120	8	30
Chlorobenzene	5.00	4.70		ug/L		94	80 - 120	7	30
1,2,4-Trimethylbenzene	5.00	4.67		ug/L		93	80 - 120	8	30
1,2,4-Trichlorobenzene	5.00	4.60		ug/L		92	68 - 122	8	30
Dibromochloromethane	5.00	5.39		ug/L		108	64 - 138	8	30
Xylenes, Total	15.0	14.3		ug/L		95	80 - 120	8	30
Tetrachloroethene	5.00	4.78		ug/L		96	80 - 120	8	30
cis-1,2-Dichloroethene	5.00	4.97		ug/L		99	80 - 122	7	30
trans-1,2-Dichloroethene	5.00	4.70		ug/L		94	80 - 122	7	30
Methyl tertiary butyl ether	5.00	4.87		ug/L		97	69 - 120	4	30
1,3,5-Trimethylbenzene	5.00	4.64		ug/L		93	80 - 120	8	30
1,3-Dichlorobenzene	5.00	4.60		ug/L		92	80 - 120	7	30
1,3-Dichloropropane	5.00	4.85		ug/L		97	80 - 120	8	30
Chloroform	5.00	4.80		ug/L		96	80 - 120	8	30
Benzene	5.00	4.74		ug/L		95	80 - 120	8	30
1,1,1-Trichloroethane	5.00	4.90		ug/L		98	78 - 126	8	30
Bromomethane	5.00	4.49		ug/L		90	60 - 136	10	30
Chloromethane	5.00	4.62		ug/L		92	56 - 124	10	30
Chloroethane	5.00	4.55		ug/L		91	63 - 120	10	30
2,2-Dichloropropane	5.00	5.16		ug/L		103	61 - 141	8	30
Vinyl chloride	5.00	4.47		ug/L		89	60 - 125	11	30
Methylene Chloride	5.00	4.77		ug/L		95	80 - 120	7	30
Carbon disulfide	5.00	5.49		ug/L		110	67 - 130	10	30
Bromoform	5.00	5.69		ug/L		114	49 - 144	8	30
Bromodichloromethane	5.00	5.17		ug/L		103	73 - 124	8	30
1,1-Dichloroethane	5.00	4.63		ug/L		93	74 - 120	7	30
2-Chlorotoluene	5.00	4.60		ug/L		92	80 - 120	8	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-292913/5
 Matrix: Water
 Analysis Batch: 292913

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	4.74		ug/L		95	80 - 131	9	30
Trichlorofluoromethane	5.00	4.83		ug/L		97	62 - 136	8	30
4-Chlorotoluene	5.00	4.68		ug/L		94	80 - 120	7	30
Dichlorodifluoromethane	5.00	4.24		ug/L		85	43 - 123	17	30
1,2-Dichloropropane	5.00	4.78		ug/L		96	80 - 120	8	30
1,1,2-Trichloroethane	5.00	4.86		ug/L		97	80 - 120	8	30
Acrylonitrile	25.0	27.0		ug/L		108	64 - 139	4	30
Trichloroethene	5.00	4.77		ug/L		95	80 - 120	8	30
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123	6	30
1,2-Dichlorobenzene	5.00	4.59		ug/L		92	80 - 120	7	30
1,2-Dibromo-3-Chloropropane	5.00	5.05		ug/L		101	56 - 148	7	30
Bromobenzene	5.00	4.84		ug/L		97	80 - 120	7	30
Bromochloromethane	5.00	5.03		ug/L		101	80 - 120	7	30
Isopropylbenzene	5.00	4.84		ug/L		97	80 - 120	8	30
Dibromomethane	5.00	5.01		ug/L		100	80 - 122	7	30
di-Isopropyl ether	5.00	4.76		ug/L		95	58 - 131	7	30
Ethyl t-butyl ether	5.00	4.86		ug/L		97	57 - 126	7	30
Hexachlorobutadiene	5.00	4.82		ug/L		96	72 - 132	8	30
Naphthalene	5.00	4.67		ug/L		93	64 - 122	6	30
n-Butylbenzene	5.00	4.61		ug/L		92	74 - 123	8	30
N-Propylbenzene	5.00	4.61		ug/L		92	74 - 122	8	30
p-Isopropyltoluene	5.00	4.75		ug/L		95	80 - 120	8	30
sec-Butylbenzene	5.00	4.78		ug/L		96	80 - 120	9	30
t-Amyl methyl ether	5.00	4.99		ug/L		100	65 - 125	7	30
t-Butyl alcohol	50.0	39.5		ug/L		79	62 - 138	11	30
tert-Butylbenzene	5.00	4.85		ug/L		97	79 - 120	1	30
trans-1,4-Dichloro-2-butene	25.0	18.8		ug/L		75	10 - 172	8	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-291885/4
 Matrix: Water
 Analysis Batch: 291885

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 11:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135		09/01/22 11:21	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 410-291885/5

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1.10	0.967		mg/L		88	70 - 123
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135				

Lab Sample ID: LCSD 410-291885/6

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.965		mg/L		88	70 - 123	0	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-292283/1-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 19:27	1
Surrogate	%Recovery	MB Qualifier	Limits						
o-terphenyl (Surr)	97		37 - 153						

Lab Sample ID: LCS 410-292283/2-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	2680	2380		ug/L		89	78 - 133
Surrogate	%Recovery	LCS Qualifier	Limits				
o-terphenyl (Surr)	125		37 - 153				

Lab Sample ID: LCSD 410-292283/3-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2670	2270		ug/L		85	78 - 133	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-terphenyl (Surr)	124		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

GC/MS VOA

Analysis Batch: 292913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95912-1	MW-25B	Total/NA	Water	8260C LL	
410-95912-2	MW-12B	Total/NA	Water	8260C LL	
410-95912-3	MW-6	Total/NA	Water	8260C LL	
410-95912-4	MW-2	Total/NA	Water	8260C LL	
410-95912-5	MW-1	Total/NA	Water	8260C LL	
410-95912-6	MW-5B	Total/NA	Water	8260C LL	
MB 410-292913/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-292913/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-292913/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 291885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95912-1	MW-25B	Total/NA	Water	8015D	
410-95912-2	MW-12B	Total/NA	Water	8015D	
410-95912-3	MW-6	Total/NA	Water	8015D	
410-95912-4	MW-2	Total/NA	Water	8015D	
410-95912-5	MW-1	Total/NA	Water	8015D	
410-95912-6	MW-5B	Total/NA	Water	8015D	
MB 410-291885/4	Method Blank	Total/NA	Water	8015D	
LCS 410-291885/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-291885/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 292283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95912-1	MW-25B	Total/NA	Water	3511	
410-95912-2	MW-12B	Total/NA	Water	3511	
410-95912-3	MW-6	Total/NA	Water	3511	
410-95912-4	MW-2	Total/NA	Water	3511	
410-95912-5	MW-1	Total/NA	Water	3511	
410-95912-6	MW-5B	Total/NA	Water	3511	
MB 410-292283/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 292559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95912-1	MW-25B	Total/NA	Water	8015D	292283
410-95912-2	MW-12B	Total/NA	Water	8015D	292283
410-95912-3	MW-6	Total/NA	Water	8015D	292283
410-95912-4	MW-2	Total/NA	Water	8015D	292283
410-95912-5	MW-1	Total/NA	Water	8015D	292283
410-95912-6	MW-5B	Total/NA	Water	8015D	292283
MB 410-292283/1-A	Method Blank	Total/NA	Water	8015D	292283
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	8015D	292283
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	292283

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-25B

Lab Sample ID: 410-95912-1

Date Collected: 08/24/22 10:10

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292913	DVW2	ELLE	09/06/22 16:23
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 19:55
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 20:39

Client Sample ID: MW-12B

Lab Sample ID: 410-95912-2

Date Collected: 08/24/22 11:05

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292913	DVW2	ELLE	09/06/22 16:45
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 20:20
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 21:02

Client Sample ID: MW-6

Lab Sample ID: 410-95912-3

Date Collected: 08/24/22 12:05

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292913	DVW2	ELLE	09/06/22 17:07
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 20:46
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 21:26

Client Sample ID: MW-2

Lab Sample ID: 410-95912-4

Date Collected: 08/24/22 12:55

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292913	DVW2	ELLE	09/06/22 17:29
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 21:11
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 21:50

Client Sample ID: MW-1

Lab Sample ID: 410-95912-5

Date Collected: 08/24/22 13:50

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292913	DVW2	ELLE	09/06/22 17:51
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 21:37
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 22:14

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95912-1

Client Sample ID: MW-5B

Lab Sample ID: 410-95912-6

Date Collected: 08/24/22 15:00

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292913	DVW2	ELLE	09/06/22 18:13
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 22:03
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 22:38

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95912-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95912-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95912-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-95912-1	MW-25B	Water	08/24/22 10:10	08/26/22 16:50
410-95912-2	MW-12B	Water	08/24/22 11:05	08/26/22 16:50
410-95912-3	MW-6	Water	08/24/22 12:05	08/26/22 16:50
410-95912-4	MW-2	Water	08/24/22 12:55	08/26/22 16:50
410-95912-5	MW-1	Water	08/24/22 13:50	08/26/22 16:50
410-95912-6	MW-5B	Water	08/24/22 15:00	08/26/22 16:50

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Environment



Chain of Custody



Lancaster Laboratories Environmental

Acct. # _____ Gr _____

410-95912 Chain of Custody

Client: Groundwater & Env. Services, Inc.					Matrix									For Lab Use Only	
Project Name/#: High's Store No. 141		Site ID #:			<input type="checkbox"/> Sediment	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Surface	Preservation Codes						SF #: _____	
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206			<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES	H H H						SCR #: _____		
Sampler: Jeff Plummer		PWSID #:			<input type="checkbox"/> Water	Full Suite VOCs plus oxygenates and Naphthalene (8260)						Preservation Codes H = HCl T = Thioculfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₂ PO ₄ O = Other			
Phone #: 800-220-3606 x 3726		Quote #:			<input type="checkbox"/> Other:	TPH-GRO (8015B) TPH-DRO (8015B)									
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD					Total # of Containers							Remarks EQEDD file name: High's Store No 141- lab report #.17962. EQEDD.zip Send invoice to: ges-invoices@ gesonline.com & include PO #			
Sample Identification		Collection		<input type="checkbox"/> Soil											
	Date	Time	Grab	Composite											
<i>MW-25B</i>	<i>8/24/22</i>	<i>1010</i>	<i>X</i>												
<i>MW-12B</i>		<i>1105</i>													
<i>MW-6</i>		<i>1205</i>													
<i>MW-2</i>		<i>1255</i>													
<i>MW-1</i>		<i>1350</i>													
<i>MW-5B</i>	<i>8/24/22</i>	<i>1500</i>	<i>X</i>												

Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> (Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <i>Jeff Plummer</i>	Date: <i>8/26/22</i>	Time: <i>0600</i>	Received by: <i>Denise Weedin</i>	Date: <i>8/26/22</i>	Time: <i>0800</i>
Date results are needed:				Relinquished by: <i>Denise Weedin</i>	Date: <i>8/26/22</i>	Time: <i>1343</i>	Received by: <i>Jill</i>	Date: <i>8/26/22</i>	Time: <i>13:43</i>
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: <i>Jill</i>	Date: <i>8/26/22</i>	Time: <i>16:48</i>	Received by:	Date:	Time:
E-mail Address: <i>midatlantic@gesonline.com & ges@equisonline.com</i>				Relinquished by: _____		Date: _____		Time: _____	
Phone: _____				Relinquished by: _____		Date: _____		Time: _____	
Data Package Options (please check if required)				Relinquished by: _____		Date: _____		Time: _____	
Type I (Validation/non-CLP)	<input type="checkbox"/>	MA MCP	<input type="checkbox"/>	Relinquished by: _____		Date: _____		Time: _____	
Type III (Reduced non-CLP)	<input type="checkbox"/>	CT RCP	<input type="checkbox"/>	Relinquished by: _____		Date: _____		Time: _____	
Type VI (Raw Data Only)	<input type="checkbox"/>	TX TRRP-13	<input type="checkbox"/>	Relinquished by: _____		Date: _____		Time: _____	
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:					
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: GES EQEDD				UPS _____ FedEx _____ Other _____		Temperature upon receipt <i>2.1</i> °C			
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip									

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-95912-1

Login Number: 95912

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-95917-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/7/2022 3:28:49 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

LINKS

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter".

Amek Carter
Project Manager
9/7/2022 3:28:49 AM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	22
Lab Chronicle	23
Certification Summary	24
Method Summary	26
Sample Summary	27
Chain of Custody	28
Receipt Checklists	29

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

Job ID: 410-95917-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-95917-1

Receipt

The samples were received on 8/26/2022 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-24B (410-95917-1), MW-23 (410-95917-2), MW-4 (410-95917-3) and MW-3 (410-95917-4). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-24B

Lab Sample ID: 410-95917-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.17	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Carbon disulfide	0.34	J	1.0	0.10	ug/L	1		8260C LL	Total/NA
GRO (1C)	0.035	J	0.050	0.023	mg/L	1		8015D	Total/NA
DRO (C10-C28)	210		110	57	ug/L	1		8015D	Total/NA

Client Sample ID: MW-23

Lab Sample ID: 410-95917-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.21	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Carbon disulfide	0.19	J	1.0	0.10	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 410-95917-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.38	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	1.9		0.50	0.080	ug/L	1		8260C LL	Total/NA
Carbon disulfide	0.16	J	1.0	0.10	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 410-95917-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.11	J	1.0	0.070	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	2.4		0.50	0.080	ug/L	1		8260C LL	Total/NA
Benzene	0.34	J	0.50	0.10	ug/L	1		8260C LL	Total/NA
Carbon disulfide	0.12	J	1.0	0.10	ug/L	1		8260C LL	Total/NA
Isopropylbenzene	2.1		0.50	0.080	ug/L	1		8260C LL	Total/NA
Naphthalene	2.3		0.50	0.080	ug/L	1		8260C LL	Total/NA
n-Butylbenzene	0.54		0.50	0.080	ug/L	1		8260C LL	Total/NA
sec-Butylbenzene	2.3		0.50	0.10	ug/L	1		8260C LL	Total/NA
t-Butyl alcohol	40		10	3.0	ug/L	1		8260C LL	Total/NA
GRO (1C)	0.23		0.050	0.023	mg/L	1		8015D	Total/NA
DRO (C10-C28)	120		110	57	ug/L	1		8015D	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-24B

Lab Sample ID: 410-95917-1

Date Collected: 08/25/22 11:00

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 16:18	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 16:18	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 16:18	1
Toluene	0.17	J	0.50	0.080	ug/L			09/06/22 16:18	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 16:18	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 16:18	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:18	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 16:18	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Carbon disulfide	0.34	J	1.0	0.10	ug/L			09/06/22 16:18	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 16:18	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 16:18	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 16:18	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:18	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 16:18	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-24B

Lab Sample ID: 410-95917-1

Date Collected: 08/25/22 11:00

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 16:18	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 16:18	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:18	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 16:18	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:18	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 16:18	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 16:18	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:18	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/06/22 16:18	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 16:18	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 16:18	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 16:18	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	0.035	J	0.050	0.023	mg/L			09/01/22 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135		09/01/22 16:30	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	210		110	57	ug/L		09/02/22 07:49	09/02/22 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	123		37 - 153	09/02/22 07:49	09/02/22 23:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-23

Lab Sample ID: 410-95917-2

Date Collected: 08/25/22 12:00

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 16:38	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 16:38	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 16:38	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 16:38	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 16:38	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Methyl tertiary butyl ether	0.21	J	0.50	0.080	ug/L			09/06/22 16:38	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 16:38	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Carbon disulfide	0.19	J	1.0	0.10	ug/L			09/06/22 16:38	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 16:38	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 16:38	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 16:38	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:38	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 16:38	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-23

Lab Sample ID: 410-95917-2

Date Collected: 08/25/22 12:00

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 16:38	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 16:38	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:38	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 16:38	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:38	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 16:38	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 16:38	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:38	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/06/22 16:38	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 16:38	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 16:38	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 16:38	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/01/22 16:55	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	126		37 - 153	09/02/22 07:49	09/02/22 23:25	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-4

Lab Sample ID: 410-95917-3

Date Collected: 08/25/22 12:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 16:59	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,2-Dibromoethane	ND	*+	0.50	0.080	ug/L			09/06/22 16:59	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 16:59	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 16:59	1
Tetrachloroethene	0.38	J	0.50	0.20	ug/L			09/06/22 16:59	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Methyl tertiary butyl ether	1.9		0.50	0.080	ug/L			09/06/22 16:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 16:59	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Carbon disulfide	0.16	J	1.0	0.10	ug/L			09/06/22 16:59	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 16:59	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 16:59	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 16:59	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 16:59	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 16:59	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-4

Lab Sample ID: 410-95917-3

Date Collected: 08/25/22 12:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 16:59	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 16:59	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 16:59	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 16:59	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 16:59	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 16:59	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 16:59	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 16:59	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		09/06/22 16:59	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 16:59	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 16:59	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 16:59	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135		09/01/22 19:03	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	94		37 - 153	09/02/22 07:49	09/02/22 23:49	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-3

Lab Sample ID: 410-95917-4

Date Collected: 08/25/22 13:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 17:19	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:19	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,2-Dibromoethane	ND	*+	0.50	0.080	ug/L			09/06/22 17:19	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:19	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 17:19	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Xylenes, Total	0.11	J	1.0	0.070	ug/L			09/06/22 17:19	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 17:19	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Methyl tertiary butyl ether	2.4		0.50	0.080	ug/L			09/06/22 17:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 17:19	1
Benzene	0.34	J	0.50	0.10	ug/L			09/06/22 17:19	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Carbon disulfide	0.12	J	1.0	0.10	ug/L			09/06/22 17:19	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 17:19	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 17:19	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 17:19	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:19	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 17:19	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-3

Lab Sample ID: 410-95917-4

Date Collected: 08/25/22 13:55

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Isopropylbenzene	2.1		0.50	0.080	ug/L			09/06/22 17:19	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 17:19	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 17:19	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:19	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 17:19	1
Naphthalene	2.3		0.50	0.080	ug/L			09/06/22 17:19	1
n-Butylbenzene	0.54		0.50	0.080	ug/L			09/06/22 17:19	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:19	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
sec-Butylbenzene	2.3		0.50	0.10	ug/L			09/06/22 17:19	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 17:19	1
t-Butyl alcohol	40		10	3.0	ug/L			09/06/22 17:19	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:19	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 17:19	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 17:19	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 17:19	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 17:19	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	0.23		0.050	0.023	mg/L			09/01/22 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135		09/01/22 19:29	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	120		110	57	ug/L		09/02/22 07:49	09/03/22 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	96		37 - 153	09/02/22 07:49	09/03/22 00:13	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-95917-1	MW-24B	101	100	95	105
410-95917-2	MW-23	103	100	95	105
410-95917-3	MW-4	106	100	95	104
410-95917-4	MW-3	104	99	96	105
LCS 410-292931/4	Lab Control Sample	103	99	98	105
LCSD 410-292931/5	Lab Control Sample Dup	104	100	98	105
MB 410-292931/7	Method Blank	104	99	96	106

Surrogate Legend
DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-95917-1	MW-24B	99
410-95917-2	MW-23	102
410-95917-3	MW-4	100
410-95917-4	MW-3	100
LCS 410-291885/5	Lab Control Sample	92
LCSD 410-291885/6	Lab Control Sample Dup	93
MB 410-291885/4	Method Blank	99

Surrogate Legend
TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-95917-1	MW-24B	123
410-95917-2	MW-23	126
410-95917-3	MW-4	94
410-95917-4	MW-3	96
LCS 410-292283/2-A	Lab Control Sample	125
LCSD 410-292283/3-A	Lab Control Sample Dup	124
MB 410-292283/1-A	Method Blank	97

Surrogate Legend
OTP = o-terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 13:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 13:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 13:14	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 13:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/06/22 13:14	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 13:14	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 13:14	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 13:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 13:14	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 13:14	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 13:14	1
Toluene-d8 (Surr)	106		80 - 120		09/06/22 13:14	1

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.07		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	6.00		ug/L		120	61 - 129
Ethylbenzene	5.00	5.57		ug/L		111	80 - 120
Styrene	5.00	5.67		ug/L		113	80 - 120
1,4-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromoethane	5.00	6.06	*+	ug/L		121	80 - 120
1,1-Dichloropropene	5.00	5.08		ug/L		102	74 - 120
1,2-Dichloroethane	5.00	5.41		ug/L		108	69 - 122
1,2,3-Trichlorobenzene	5.00	5.42		ug/L		108	68 - 125
1,2,3-Trichloropropane	5.00	6.18		ug/L		124	80 - 125
Toluene	5.00	5.64		ug/L		113	80 - 120
Chlorobenzene	5.00	5.71		ug/L		114	80 - 120
1,2,4-Trimethylbenzene	5.00	5.53		ug/L		111	80 - 120
1,2,4-Trichlorobenzene	5.00	5.45		ug/L		109	68 - 122
Dibromochloromethane	5.00	5.83		ug/L		117	64 - 138
Xylenes, Total	15.0	16.9		ug/L		113	80 - 120
Tetrachloroethene	5.00	5.59		ug/L		112	80 - 120
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	80 - 122
Methyl tertiary butyl ether	5.00	5.23		ug/L		105	69 - 120
1,3,5-Trimethylbenzene	5.00	5.44		ug/L		109	80 - 120
1,3-Dichlorobenzene	5.00	5.56		ug/L		111	80 - 120
1,3-Dichloropropane	5.00	5.97		ug/L		119	80 - 120
Chloroform	5.00	5.17		ug/L		103	80 - 120
Benzene	5.00	5.02		ug/L		100	80 - 120
1,1,1-Trichloroethane	5.00	5.07		ug/L		101	78 - 126
Bromomethane	5.00	4.81		ug/L		96	60 - 136
Chloromethane	5.00	4.74		ug/L		95	56 - 124
Chloroethane	5.00	4.79		ug/L		96	63 - 120
2,2-Dichloropropane	5.00	5.14		ug/L		103	61 - 141
Vinyl chloride	5.00	4.32		ug/L		86	60 - 125
Methylene Chloride	5.00	5.14		ug/L		103	80 - 120
Carbon disulfide	5.00	5.42		ug/L		108	67 - 130
Bromoform	5.00	5.90		ug/L		118	49 - 144
Bromodichloromethane	5.00	5.20		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	5.03		ug/L		101	74 - 120
2-Chlorotoluene	5.00	5.61		ug/L		112	80 - 120
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	4.67		ug/L		93	62 - 136
4-Chlorotoluene	5.00	5.72		ug/L		114	80 - 120
Dichlorodifluoromethane	5.00	4.35		ug/L		87	43 - 123
1,2-Dichloropropane	5.00	5.13		ug/L		103	80 - 120
1,1,2-Trichloroethane	5.00	5.90		ug/L		118	80 - 120
Acrylonitrile	25.0	25.0		ug/L		100	64 - 139
Trichloroethene	5.00	4.97		ug/L		99	80 - 120
1,1,1,2-Tetrachloroethane	5.00	6.03		ug/L		121	75 - 123
1,2-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	6.33		ug/L		127	56 - 148
Bromobenzene	5.00	5.96		ug/L		119	80 - 120
Bromochloromethane	5.00	5.27		ug/L		105	80 - 120
Isopropylbenzene	5.00	5.59		ug/L		112	80 - 120
Dibromomethane	5.00	5.33		ug/L		107	80 - 122
di-Isopropyl ether	5.00	5.03		ug/L		101	58 - 131
Ethyl t-butyl ether	5.00	5.02		ug/L		100	57 - 126
Hexachlorobutadiene	5.00	4.34		ug/L		87	72 - 132
Naphthalene	5.00	5.64		ug/L		113	64 - 122
n-Butylbenzene	5.00	5.17		ug/L		103	74 - 123
N-Propylbenzene	5.00	5.52		ug/L		110	74 - 122
p-Isopropyltoluene	5.00	5.43		ug/L		109	80 - 120
sec-Butylbenzene	5.00	5.43		ug/L		109	80 - 120
t-Amyl methyl ether	5.00	5.18		ug/L		104	65 - 125
t-Butyl alcohol	50.0	55.3		ug/L		111	62 - 138
tert-Butylbenzene	5.00	5.78		ug/L		116	79 - 120
trans-1,4-Dichloro-2-butene	25.0	21.1		ug/L		84	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,1,1,2-Tetrachloroethane	5.00	5.65		ug/L		113	71 - 134	3	30
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.78		ug/L		116	61 - 129	4	30
Ethylbenzene	5.00	5.52		ug/L		110	80 - 120	1	30
Styrene	5.00	5.49		ug/L		110	80 - 120	3	30
1,4-Dichlorobenzene	5.00	5.57		ug/L		111	80 - 120	2	30
1,2-Dibromoethane	5.00	5.83		ug/L		117	80 - 120	4	30
1,1-Dichloropropene	5.00	5.03		ug/L		101	74 - 120	1	30
1,2-Dichloroethane	5.00	5.46		ug/L		109	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	5.13		ug/L		103	68 - 125	6	30
1,2,3-Trichloropropane	5.00	6.03		ug/L		121	80 - 125	3	30
Toluene	5.00	5.48		ug/L		110	80 - 120	3	30
Chlorobenzene	5.00	5.57		ug/L		111	80 - 120	3	30
1,2,4-Trimethylbenzene	5.00	5.40		ug/L		108	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	5.16		ug/L		103	68 - 122	5	30
Dibromochloromethane	5.00	5.75		ug/L		115	64 - 138	1	30
Xylenes, Total	15.0	16.6		ug/L		111	80 - 120	2	30
Tetrachloroethene	5.00	5.48		ug/L		110	80 - 120	2	30
cis-1,2-Dichloroethene	5.00	5.16		ug/L		103	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122	1	30
Methyl tertiary butyl ether	5.00	5.22		ug/L		104	69 - 120	0	30
1,3,5-Trimethylbenzene	5.00	5.35		ug/L		107	80 - 120	2	30
1,3-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30
1,3-Dichloropropane	5.00	5.89		ug/L		118	80 - 120	1	30
Chloroform	5.00	5.11		ug/L		102	80 - 120	1	30
Benzene	5.00	5.01		ug/L		100	80 - 120	0	30
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	78 - 126	1	30
Bromomethane	5.00	4.76		ug/L		95	60 - 136	1	30
Chloromethane	5.00	4.59		ug/L		92	56 - 124	3	30
Chloroethane	5.00	4.81		ug/L		96	63 - 120	0	30
2,2-Dichloropropane	5.00	5.07		ug/L		101	61 - 141	1	30
Vinyl chloride	5.00	4.43		ug/L		89	60 - 125	3	30
Methylene Chloride	5.00	5.05		ug/L		101	80 - 120	2	30
Carbon disulfide	5.00	5.35		ug/L		107	67 - 130	1	30
Bromoform	5.00	5.81		ug/L		116	49 - 144	2	30
Bromodichloromethane	5.00	5.13		ug/L		103	73 - 124	1	30
1,1-Dichloroethane	5.00	5.01		ug/L		100	74 - 120	0	30
2-Chlorotoluene	5.00	5.59		ug/L		112	80 - 120	0	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	5.03		ug/L		101	80 - 131	0	30
Trichlorofluoromethane	5.00	4.69		ug/L		94	62 - 136	0	30
4-Chlorotoluene	5.00	5.67		ug/L		113	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.23		ug/L		85	43 - 123	3	30
1,2-Dichloropropane	5.00	4.98		ug/L		100	80 - 120	3	30
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120	5	30
Acrylonitrile	25.0	26.4		ug/L		105	64 - 139	5	30
Trichloroethene	5.00	4.94		ug/L		99	80 - 120	1	30
1,1,1,2-Tetrachloroethane	5.00	5.94		ug/L		119	75 - 123	2	30
1,2-Dichlorobenzene	5.00	5.58		ug/L		112	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	5.84		ug/L		117	56 - 148	8	30
Bromobenzene	5.00	5.83		ug/L		117	80 - 120	2	30
Bromochloromethane	5.00	5.28		ug/L		106	80 - 120	0	30
Isopropylbenzene	5.00	5.50		ug/L		110	80 - 120	2	30
Dibromomethane	5.00	5.16		ug/L		103	80 - 122	3	30
di-Isopropyl ether	5.00	4.94		ug/L		99	58 - 131	2	30
Ethyl t-butyl ether	5.00	4.94		ug/L		99	57 - 126	2	30
Hexachlorobutadiene	5.00	3.98		ug/L		80	72 - 132	9	30
Naphthalene	5.00	5.31		ug/L		106	64 - 122	6	30
n-Butylbenzene	5.00	5.03		ug/L		101	74 - 123	3	30
N-Propylbenzene	5.00	5.38		ug/L		108	74 - 122	3	30
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120	2	30
sec-Butylbenzene	5.00	5.33		ug/L		107	80 - 120	2	30
t-Amyl methyl ether	5.00	5.12		ug/L		102	65 - 125	1	30
t-Butyl alcohol	50.0	49.8		ug/L		100	62 - 138	11	30
tert-Butylbenzene	5.00	5.41		ug/L		108	79 - 120	7	30
trans-1,4-Dichloro-2-butene	25.0	23.1		ug/L		92	10 - 172	9	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-291885/4

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 11:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135		09/01/22 11:21	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 410-291885/5

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1.10	0.967		mg/L		88	70 - 123
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135				

Lab Sample ID: LCSD 410-291885/6

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.965		mg/L		88	70 - 123	0	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-292283/1-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 19:27	1
Surrogate	%Recovery	MB Qualifier	Limits						
o-terphenyl (Surr)	97		37 - 153						

Lab Sample ID: LCS 410-292283/2-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	2680	2380		ug/L		89	78 - 133
Surrogate	%Recovery	LCS Qualifier	Limits				
o-terphenyl (Surr)	125		37 - 153				

Lab Sample ID: LCSD 410-292283/3-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2670	2270		ug/L		85	78 - 133	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-terphenyl (Surr)	124		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

GC/MS VOA

Analysis Batch: 292931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95917-1	MW-24B	Total/NA	Water	8260C LL	
410-95917-2	MW-23	Total/NA	Water	8260C LL	
410-95917-3	MW-4	Total/NA	Water	8260C LL	
410-95917-4	MW-3	Total/NA	Water	8260C LL	
MB 410-292931/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-292931/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-292931/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 291885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95917-1	MW-24B	Total/NA	Water	8015D	
410-95917-2	MW-23	Total/NA	Water	8015D	
410-95917-3	MW-4	Total/NA	Water	8015D	
410-95917-4	MW-3	Total/NA	Water	8015D	
MB 410-291885/4	Method Blank	Total/NA	Water	8015D	
LCS 410-291885/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-291885/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 292283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95917-1	MW-24B	Total/NA	Water	3511	
410-95917-2	MW-23	Total/NA	Water	3511	
410-95917-3	MW-4	Total/NA	Water	3511	
410-95917-4	MW-3	Total/NA	Water	3511	
MB 410-292283/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 292559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95917-1	MW-24B	Total/NA	Water	8015D	292283
410-95917-2	MW-23	Total/NA	Water	8015D	292283
410-95917-3	MW-4	Total/NA	Water	8015D	292283
410-95917-4	MW-3	Total/NA	Water	8015D	292283
MB 410-292283/1-A	Method Blank	Total/NA	Water	8015D	292283
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	8015D	292283
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	292283

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Client Sample ID: MW-24B

Lab Sample ID: 410-95917-1

Date Collected: 08/25/22 11:00

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 16:18
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 16:30
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 23:01

Client Sample ID: MW-23

Lab Sample ID: 410-95917-2

Date Collected: 08/25/22 12:00

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 16:38
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 16:55
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 23:25

Client Sample ID: MW-4

Lab Sample ID: 410-95917-3

Date Collected: 08/25/22 12:55

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 16:59
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 19:03
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/02/22 23:49

Client Sample ID: MW-3

Lab Sample ID: 410-95917-4

Date Collected: 08/25/22 13:55

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 17:19
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 19:29
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 00:13

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95917-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95917-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-95917-1	MW-24B	Water	08/25/22 11:00	08/26/22 16:50
410-95917-2	MW-23	Water	08/25/22 12:00	08/26/22 16:50
410-95917-3	MW-4	Water	08/25/22 12:55	08/26/22 16:50
410-95917-4	MW-3	Water	08/25/22 13:55	08/26/22 16:50

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Envir



410-95917 Chain of Custody

Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. #

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested							For Lab Use Only				
Project Name/#: High's Store No. 141		Site ID #:		Sediment	Ground	Surface	Preservation Codes							SF #:				
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206					H	H	H							SCR #:		
Sampler: Jeff Plummer		PWSID #:		Soil	Potable	NPDES	Full Suite VOCs plus oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	TPH-DRO (8015B)								Preservation Codes	
Phone #: 800-220-3606 x 3726		Quote #:								Water	Other:	Total # of Containers						
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD				Collection		Composite											Remarks	
Sample Identification		Date	Time	Grab														
MW-24B		8-25-22	1100	+			7	X	X									EQEDD file name:
MW-23			1200	+			7	X	X									High's Store No 141-
MW-4			1255	+			7	X	X									lab report #.17962.
MW-3		8-25-22	1355	+			7	X	X									EQEDD.zip
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Jeff Plummer</i>		Date	Time	Received by: <i>Denise Woodruff</i>		Date	Time							
(Rush TAT is subject to laboratory approval and surcharges.)						8-26-22	0800	8-26-22		0800								
Date results are needed:				Relinquished by: <i>Denise Woodruff</i>		Date	Time	Received by: <i>John</i>		Date	Time							
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>						8-26-22	1343	8-26-22		1343								
E-mail Address: midatlantic@gesonline.com & ges@equisonline.com				Relinquished by: <i>John</i>		Date	Time	Received by: <i>John</i>		Date	Time							
Phone:						8/26/22	1648	8/26/22		1648								
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:		Date	Time							
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>																		
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>																		
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>																		
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:				Received by: <i>John</i>		Date	Time							
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>								8/26/22		1650								
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other <input type="checkbox"/>				Temperature upon receipt		2.1	°C							

CL

CML

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-95917-1

Login Number: 95917

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	False	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-95916-1
Client Project/Site: High's Store No. 141

For:
Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
8/31/2022 1:58:13 PM

Amek Carter, Project Manager
(717)556-7252
Loran.Carter@et.eurofinsus.com

LINKS

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style.

Amek Carter
Project Manager
8/31/2022 1:58:13 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	21

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Job ID: 410-95916-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-95916-1

Receipt

The samples were received on 8/26/2022 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 524.2_Preserved: Volatile compounds have been detected above the RL for the following sample: 1606-RAY-INF (410-95916-3). Since a field reagent blank/trip blank was not submitted, any potential contamination from the sampling/transport process cannot be assessed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Client Sample ID: 1606-RAY-EFF

Lab Sample ID: 410-95916-1

No Detections.

Client Sample ID: 1606-RAY-MID2

Lab Sample ID: 410-95916-2

No Detections.

Client Sample ID: 1606-RAY-INF

Lab Sample ID: 410-95916-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	1.1	cn	0.50	0.10	ug/L	1		524.2	Total/NA
Tetrachloroethene	0.11	J cn	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: 1612-RAY-INF

Lab Sample ID: 410-95916-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.34	J	0.50	0.10	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Client Sample ID: 1606-RAY-EFF

Lab Sample ID: 410-95916-1

Date Collected: 08/25/22 09:10

Matrix: Water

Date Received: 08/26/22 16:50

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Benzene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
t-Butyl alcohol	ND		25	2.5	ug/L			08/30/22 14:50	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Methylene Chloride	ND		0.50	0.20	ug/L			08/30/22 14:50	1
Naphthalene	ND		0.50	0.20	ug/L			08/30/22 14:50	1
Styrene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Tetrachloroethene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Toluene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/30/22 14:50	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 14:50	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Trichloroethene	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/30/22 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120					08/30/22 14:50	1
1,2-Dichlorobenzene-d4 (Surr)	100		80 - 120					08/30/22 14:50	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Client Sample ID: 1606-RAY-MID2

Lab Sample ID: 410-95916-2

Date Collected: 08/25/22 09:15

Matrix: Water

Date Received: 08/26/22 16:50

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Benzene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
t-Butyl alcohol	ND		25	2.5	ug/L			08/30/22 15:13	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Methylene Chloride	ND		0.50	0.20	ug/L			08/30/22 15:13	1
Naphthalene	ND		0.50	0.20	ug/L			08/30/22 15:13	1
Styrene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Tetrachloroethene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Toluene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/30/22 15:13	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 15:13	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Trichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/30/22 15:13	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/30/22 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		08/30/22 15:13	1
1,2-Dichlorobenzene-d4 (Surr)	100		80 - 120		08/30/22 15:13	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Client Sample ID: 1606-RAY-INF

Lab Sample ID: 410-95916-3

Date Collected: 08/25/22 09:20

Matrix: Water

Date Received: 08/26/22 16:50

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Benzene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			08/30/22 15:36	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,2-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Methyl tertiary butyl ether	1.1	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			08/30/22 15:36	1
Naphthalene	ND	cn	0.50	0.20	ug/L			08/30/22 15:36	1
Styrene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Tetrachloroethene	0.11	J cn	0.50	0.10	ug/L			08/30/22 15:36	1
Toluene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			08/30/22 15:36	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			08/30/22 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	cn	80 - 120					08/30/22 15:36	1
1,2-Dichlorobenzene-d4 (Surr)	101	cn	80 - 120					08/30/22 15:36	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Client Sample ID: 1612-RAY-INF

Lab Sample ID: 410-95916-4

Date Collected: 08/25/22 10:10

Matrix: Water

Date Received: 08/26/22 16:50

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Benzene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
t-Butyl alcohol	ND		25	2.5	ug/L			08/30/22 15:59	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Methyl tertiary butyl ether	0.34	J	0.50	0.10	ug/L			08/30/22 15:59	1
Methylene Chloride	ND		0.50	0.20	ug/L			08/30/22 15:59	1
Naphthalene	ND		0.50	0.20	ug/L			08/30/22 15:59	1
Styrene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Tetrachloroethene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Toluene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/30/22 15:59	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 15:59	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Trichloroethene	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/30/22 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120					08/30/22 15:59	1
1,2-Dichlorobenzene-d4 (Surr)	100		80 - 120					08/30/22 15:59	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCZ
		(80-120)	(80-120)
410-95916-1	1606-RAY-EFF	96	100
410-95916-2	1606-RAY-MID2	96	100
410-95916-3	1606-RAY-INF	98 cn	101 cn
410-95916-4	1612-RAY-INF	97	100
LCS 410-291030/6	Lab Control Sample	104	104
LCSD 410-291030/5	Lab Control Sample Dup	104	105
MB 410-291030/8	Method Blank	97	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-291030/8

Matrix: Water

Analysis Batch: 291030

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
t-Amyl methyl ether	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Benzene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
t-Butyl alcohol	ND		25	2.5	ug/L			08/30/22 12:54	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Chlorobenzene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
cis-1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
trans-1,2-Dichloroethane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Ethylbenzene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Methylene Chloride	ND		0.50	0.20	ug/L			08/30/22 12:54	1
Naphthalene	ND		0.50	0.20	ug/L			08/30/22 12:54	1
Styrene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Tetrachloroethene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Toluene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			08/30/22 12:54	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Trichloroethene	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Vinyl chloride	ND		0.50	0.10	ug/L			08/30/22 12:54	1
Xylenes, Total	ND		0.50	0.10	ug/L			08/30/22 12:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	97		80 - 120		08/30/22 12:54	1
1,2-Dichlorobenzene-d4 (Surr)	98		80 - 120		08/30/22 12:54	1

Lab Sample ID: LCS 410-291030/6

Matrix: Water

Analysis Batch: 291030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
t-Amyl methyl ether	5.00	5.17		ug/L		103	70 - 130
Benzene	5.00	5.27		ug/L		105	70 - 130
t-Butyl alcohol	50.0	54.0		ug/L		108	70 - 130
Carbon tetrachloride	5.00	4.71		ug/L		94	70 - 130
Chlorobenzene	5.00	5.30		ug/L		106	70 - 130
1,2-Dichlorobenzene	5.00	5.22		ug/L		104	70 - 130
1,3-Dichlorobenzene	5.00	5.16		ug/L		103	70 - 130
1,2-Dichloroethane	5.00	5.51		ug/L		110	70 - 130
1,1-Dichloroethane	5.00	5.34		ug/L		107	70 - 130
cis-1,2-Dichloroethane	5.00	5.22		ug/L		104	70 - 130
trans-1,2-Dichloroethane	5.00	5.31		ug/L		106	70 - 130

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-291030/6

Matrix: Water

Analysis Batch: 291030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,2-Dichloropropane	5.00	5.53		ug/L		111	70 - 130
Ethyl t-butyl ether	5.00	5.16		ug/L		103	70 - 130
Ethylbenzene	5.00	5.08		ug/L		102	70 - 130
di-Isopropyl ether	5.00	5.19		ug/L		104	70 - 130
Methyl tertiary butyl ether	5.00	5.39		ug/L		108	70 - 130
Methylene Chloride	5.00	5.42		ug/L		108	70 - 130
Naphthalene	5.00	4.60		ug/L		92	70 - 130
Styrene	5.00	5.20		ug/L		104	70 - 130
Tetrachloroethene	5.00	5.10		ug/L		102	70 - 130
Toluene	5.00	5.22		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	5.00	4.73		ug/L		95	70 - 130
1,1,1-Trichloroethane	5.00	4.84		ug/L		97	70 - 130
1,1,2-Trichloroethane	5.00	5.61		ug/L		112	70 - 130
Trichloroethene	5.00	5.00		ug/L		100	70 - 130
Vinyl chloride	2.00	2.29		ug/L		115	70 - 130
Xylenes, Total	15.0	15.3		ug/L		102	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120

Lab Sample ID: LCSD 410-291030/5

Matrix: Water

Analysis Batch: 291030

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
t-Amyl methyl ether	5.00	5.05		ug/L		101	70 - 130	2	30
Benzene	5.00	5.20		ug/L		104	70 - 130	1	30
t-Butyl alcohol	50.0	55.7		ug/L		111	70 - 130	3	30
Carbon tetrachloride	5.00	4.65		ug/L		93	70 - 130	1	30
Chlorobenzene	5.00	5.24		ug/L		105	70 - 130	1	30
1,2-Dichlorobenzene	5.00	5.13		ug/L		103	70 - 130	2	30
1,3-Dichlorobenzene	5.00	5.15		ug/L		103	70 - 130	0	30
1,2-Dichloroethane	5.00	5.25		ug/L		105	70 - 130	5	30
1,1-Dichloroethane	5.00	5.19		ug/L		104	70 - 130	3	30
cis-1,2-Dichloroethene	5.00	5.13		ug/L		103	70 - 130	2	30
trans-1,2-Dichloroethene	5.00	5.16		ug/L		103	70 - 130	3	30
1,2-Dichloropropane	5.00	5.41		ug/L		108	70 - 130	2	30
Ethyl t-butyl ether	5.00	5.07		ug/L		101	70 - 130	2	30
Ethylbenzene	5.00	5.06		ug/L		101	70 - 130	0	30
di-Isopropyl ether	5.00	5.13		ug/L		103	70 - 130	1	30
Methyl tertiary butyl ether	5.00	5.37		ug/L		107	70 - 130	0	30
Methylene Chloride	5.00	5.39		ug/L		108	70 - 130	0	30
Naphthalene	5.00	4.54		ug/L		91	70 - 130	1	30
Styrene	5.00	5.12		ug/L		102	70 - 130	2	30
Tetrachloroethene	5.00	5.09		ug/L		102	70 - 130	0	30
Toluene	5.00	5.10		ug/L		102	70 - 130	2	30
1,2,4-Trichlorobenzene	5.00	4.78		ug/L		96	70 - 130	1	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95916-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-291030/5

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 291030

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1,1-Trichloroethane	5.00	4.85		ug/L		97	70 - 130	0	30
1,1,2-Trichloroethane	5.00	5.54		ug/L		111	70 - 130	1	30
Trichloroethene	5.00	4.98		ug/L		100	70 - 130	0	30
Vinyl chloride	2.00	2.19		ug/L		110	70 - 130	5	30
Xylenes, Total	15.0	15.1		ug/L		100	70 - 130	1	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	105		80 - 120

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

GC/MS VOA

Analysis Batch: 291030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95916-1	1606-RAY-EFF	Total/NA	Water	524.2	
410-95916-2	1606-RAY-MID2	Total/NA	Water	524.2	
410-95916-3	1606-RAY-INF	Total/NA	Water	524.2	
410-95916-4	1612-RAY-INF	Total/NA	Water	524.2	
MB 410-291030/8	Method Blank	Total/NA	Water	524.2	
LCS 410-291030/6	Lab Control Sample	Total/NA	Water	524.2	
LCSD 410-291030/5	Lab Control Sample Dup	Total/NA	Water	524.2	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Client Sample ID: 1606-RAY-EFF

Lab Sample ID: 410-95916-1

Date Collected: 08/25/22 09:10

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	291030	UJML	ELLE	08/30/22 14:50

Client Sample ID: 1606-RAY-MID2

Lab Sample ID: 410-95916-2

Date Collected: 08/25/22 09:15

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	291030	UJML	ELLE	08/30/22 15:13

Client Sample ID: 1606-RAY-INF

Lab Sample ID: 410-95916-3

Date Collected: 08/25/22 09:20

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	291030	UJML	ELLE	08/30/22 15:36

Client Sample ID: 1612-RAY-INF

Lab Sample ID: 410-95916-4

Date Collected: 08/25/22 10:10

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	291030	UJML	ELLE	08/30/22 15:59

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,3-Dichlorobenzene
524.2		Water	di-Isopropyl ether
524.2		Water	Ethyl t-butyl ether
524.2		Water	Methyl tertiary butyl ether
524.2		Water	Naphthalene
524.2		Water	t-Amyl methyl ether
524.2		Water	t-Butyl alcohol



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95916-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-95916-1	1606-RAY-EFF	Water	08/25/22 09:10	08/26/22 16:50
410-95916-2	1606-RAY-MID2	Water	08/25/22 09:15	08/26/22 16:50
410-95916-3	1606-RAY-INF	Water	08/25/22 09:20	08/26/22 16:50
410-95916-4	1612-RAY-INF	Water	08/25/22 10:10	08/26/22 16:50

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Environment



410-95916 Chain of Custody

Chain of Custody



Lancaster Laboratories Environmental

Acct. # _____ G

Client: Groundwater & Env. Services, Inc.				Matrix				Analyses Requested										For Lab Use Only			
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/> Sediment		<input type="checkbox"/> Ground		<input type="checkbox"/> Surface		Preservation Codes										SF #:	
Project Manager: Peter Reichardt		P.O. #: 0403343/06/209		<input type="checkbox"/> Potable		<input checked="" type="checkbox"/> NPDES		<input type="checkbox"/> Other:		H										SCR #:	
Sampler: <i>Jeff Plummer</i>		PWSID #:		<input type="checkbox"/> Soil		<input type="checkbox"/> Water		Total # of Containers		Target VOCs List plus oxygenates and Naphthalene (524.2)										Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₂ PO ₄ C = Other	
Phone #: 800-220-3606 x 3726		Quote #:		<input type="checkbox"/> Composite																Remarks	
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD																				EQEDD file name:	
Sample Identification		Collection		Grab																High's Store No 141-	
		Date		Time																lab report #.17962.	
<i>1606-RAY-EFF</i>		<i>8/25/22</i>		<i>0910</i>		<i>X</i>														EQEDD.zip	
<i>1606-RAY-MID2</i>		<i>↓</i>		<i>0915</i>		<i>X</i>														Send invoice to:	
<i>1606-RAY-INF</i>		<i>↓</i>		<i>0920</i>		<i>X</i>														ges-invoices@	
<i>1612-RAY-INF</i>		<i>8/25/22</i>		<i>1010</i>		<i>X</i>														gesonline.com &	
																				Include PO #	
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by:		Date		Time		Received by:		Date		Time							
(Rush TAT is subject to laboratory approval and surcharges.)				<i>Jeff Plummer</i>		<i>8-26-22</i>		<i>0800</i>		<i>Denise Woodin</i>		<i>8-26-22</i>		<i>0800</i>							
Date results are needed:				Relinquished by:		Date		Time		Received by:		Date		Time							
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				<i>Denise Woodin</i>		<i>8-26-22</i>		<i>1343</i>		<i>Jeff</i>		<i>8/26/22</i>		<i>13:43</i>							
E-mail Address: <u>midatlantic@gesonline.com</u> & <u>ges@equisonline.com</u>				Relinquished by:		Date		Time		Received by:		Date		Time							
Phone:				<i>Jeff</i>		<i>8/26/22</i>		<i>16:45</i>													
Data Package Options (please check if required)				Relinquished by:		Date		Time		Received by:		Date		Time							
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>																					
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>																					
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>																					
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:																	
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>																					
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				UPS _____ FedEx _____ Other _____												Temperature upon receipt <u>2.1</u> °C					

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-95916-1

Login Number: 95916

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present.
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-95914-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/8/2022 2:48:08 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in cursive script that reads "Amek Carter".

Amek Carter
Project Manager
9/8/2022 2:48:08 AM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	27
Lab Chronicle	28
Certification Summary	29
Method Summary	31
Sample Summary	32
Chain of Custody	33
Receipt Checklists	34



Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95914-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95914-1

Job ID: 410-95914-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-95914-1

Receipt

The samples were received on 8/26/2022 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-14A (410-95914-1), MW-14B (410-95914-2), MW-17B (410-95914-3) and MW-17A (410-95914-4). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-14A

Lab Sample ID: 410-95914-1

No Detections.

Client Sample ID: MW-14B

Lab Sample ID: 410-95914-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.23	J	0.50	0.070	ug/L	1	1	8260C LL	Total/NA
Benzene	0.10	J	0.50	0.10	ug/L	1	1	8260C LL	Total/NA
di-Isopropyl ether	0.30	J	0.50	0.10	ug/L	1	1	8260C LL	Total/NA
t-Amyl methyl ether	0.70		0.50	0.20	ug/L	1	1	8260C LL	Total/NA
t-Butyl alcohol	13		10	3.0	ug/L	1	1	8260C LL	Total/NA
Methyl tertiary butyl ether - DL	25		2.5	0.40	ug/L	5	1	8260C LL	Total/NA
GRO (1C)	0.026	J	0.050	0.023	mg/L	1	1	8015D	Total/NA

Client Sample ID: MW-17B

Lab Sample ID: 410-95914-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.28	J	0.50	0.070	ug/L	1	1	8260C LL	Total/NA
Methyl tertiary butyl ether	3.8		0.50	0.080	ug/L	1	1	8260C LL	Total/NA
Benzene	1.9		0.50	0.10	ug/L	1	1	8260C LL	Total/NA
Isopropylbenzene	0.096	J	0.50	0.080	ug/L	1	1	8260C LL	Total/NA
di-Isopropyl ether	0.16	J	0.50	0.10	ug/L	1	1	8260C LL	Total/NA

Client Sample ID: MW-17A

Lab Sample ID: 410-95914-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-14A

Lab Sample ID: 410-95914-1

Date Collected: 08/25/22 10:40

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 14:56	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 14:56	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 14:56	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 14:56	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 14:56	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 14:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 14:56	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 14:56	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 14:56	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 14:56	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 14:56	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 14:56	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 14:56	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-14A

Lab Sample ID: 410-95914-1

Date Collected: 08/25/22 10:40

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 14:56	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 14:56	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 14:56	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 14:56	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 14:56	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 14:56	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 14:56	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 14:56	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/06/22 14:56	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 14:56	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 14:56	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 14:56	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135		09/01/22 14:48	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	121		37 - 153	08/31/22 07:31	09/01/22 05:30	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-14B

Lab Sample ID: 410-95914-2

Date Collected: 08/25/22 11:40

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 15:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 15:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 15:17	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 15:17	1
1,2-Dichloroethane	0.23	J	0.50	0.070	ug/L			09/06/22 15:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 15:17	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 15:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 15:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 15:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 15:17	1
Benzene	0.10	J	0.50	0.10	ug/L			09/06/22 15:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 15:17	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 15:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 15:17	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 15:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 15:17	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 15:17	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 15:17	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:17	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 15:17	1
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-14B

Lab Sample ID: 410-95914-2

Date Collected: 08/25/22 11:40

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 15:17	1
di-Isopropyl ether	0.30	J	0.50	0.10	ug/L			09/06/22 15:17	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 15:17	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 15:17	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 15:17	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 15:17	1
t-Amyl methyl ether	0.70		0.50	0.20	ug/L			09/06/22 15:17	1
t-Butyl alcohol	13		10	3.0	ug/L			09/06/22 15:17	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:17	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/06/22 15:17	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 15:17	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 15:17	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 15:17	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	25		2.5	0.40	ug/L			09/07/22 15:39	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/07/22 15:39	5
Dibromofluoromethane (Surr)	101		80 - 120		09/07/22 15:39	5
4-Bromofluorobenzene (Surr)	98		80 - 120		09/07/22 15:39	5
Toluene-d8 (Surr)	99		80 - 120		09/07/22 15:39	5

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	0.026	J	0.050	0.023	mg/L			09/01/22 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135		09/01/22 15:13	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	118		37 - 153	08/31/22 07:31	09/01/22 05:53	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-17B

Lab Sample ID: 410-95914-3

Date Collected: 08/25/22 12:50

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 15:37	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 15:37	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 15:37	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 15:37	1
1,2-Dichloroethane	0.28	J	0.50	0.070	ug/L			09/06/22 15:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 15:37	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 15:37	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 15:37	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Methyl tertiary butyl ether	3.8		0.50	0.080	ug/L			09/06/22 15:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 15:37	1
Benzene	1.9		0.50	0.10	ug/L			09/06/22 15:37	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 15:37	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 15:37	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 15:37	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 15:37	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 15:37	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:37	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 15:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-17B

Lab Sample ID: 410-95914-3

Date Collected: 08/25/22 12:50

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Isopropylbenzene	0.096	J	0.50	0.080	ug/L			09/06/22 15:37	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 15:37	1
di-Isopropyl ether	0.16	J	0.50	0.10	ug/L			09/06/22 15:37	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 15:37	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 15:37	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 15:37	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 15:37	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 15:37	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 15:37	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:37	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		09/06/22 15:37	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 15:37	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 15:37	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 15:37	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/01/22 15:39	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 06:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	117		37 - 153	08/31/22 07:31	09/01/22 06:17	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-17A

Lab Sample ID: 410-95914-4

Date Collected: 08/25/22 14:25

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 15:57	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,2-Dibromoethane	ND	*+	0.50	0.080	ug/L			09/06/22 15:57	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 15:57	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 15:57	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 15:57	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 15:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 15:57	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 15:57	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 15:57	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 15:57	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 15:57	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 15:57	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 15:57	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-17A

Lab Sample ID: 410-95914-4

Date Collected: 08/25/22 14:25

Matrix: Water

Date Received: 08/26/22 16:50

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 15:57	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 15:57	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 15:57	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 15:57	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 15:57	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 15:57	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 15:57	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 15:57	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 15:57	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 15:57	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/06/22 15:57	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 15:57	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/01/22 16:04	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 06:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	97		37 - 153	08/31/22 07:31	09/01/22 06:41	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-95914-1	MW-14A	102	100	96	105
410-95914-2	MW-14B	103	99	95	105
410-95914-2 - DL	MW-14B	103	101	98	99
410-95914-3	MW-17B	107	99	96	104
410-95914-4	MW-17A	104	100	97	105
LCS 410-292931/4	Lab Control Sample	103	99	98	105
LCS 410-293315/4	Lab Control Sample	102	103	100	100
LCSD 410-292931/5	Lab Control Sample Dup	104	100	98	105
LCSD 410-293315/5	Lab Control Sample Dup	103	103	100	99
MB 410-292931/7	Method Blank	104	99	96	106
MB 410-293315/7	Method Blank	102	102	98	99

Surrogate Legend
 DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-95914-1	MW-14A	100
410-95914-2	MW-14B	100
410-95914-3	MW-17B	101
410-95914-4	MW-17A	101
LCS 410-291885/5	Lab Control Sample	92
LCSD 410-291885/6	Lab Control Sample Dup	93
MB 410-291885/4	Method Blank	99

Surrogate Legend
 TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-95914-1	MW-14A	121
410-95914-2	MW-14B	118
410-95914-3	MW-17B	117
410-95914-4	MW-17A	97
LCS 410-291377/2-A	Lab Control Sample	131
LCSD 410-291377/3-A	Lab Control Sample Dup	121
MB 410-291377/1-A	Method Blank	122

Surrogate Legend
 OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 13:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 13:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 13:14	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 13:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/06/22 13:14	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-292931/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 292931

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 13:14	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 13:14	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 13:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 13:14	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 13:14	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 13:14	1
Toluene-d8 (Surr)	106		80 - 120		09/06/22 13:14	1

Lab Sample ID: LCS 410-292931/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 292931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.07		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	6.00		ug/L		120	61 - 129
Ethylbenzene	5.00	5.57		ug/L		111	80 - 120
Styrene	5.00	5.67		ug/L		113	80 - 120
1,4-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromoethane	5.00	6.06	*+	ug/L		121	80 - 120
1,1-Dichloropropene	5.00	5.08		ug/L		102	74 - 120
1,2-Dichloroethane	5.00	5.41		ug/L		108	69 - 122
1,2,3-Trichlorobenzene	5.00	5.42		ug/L		108	68 - 125
1,2,3-Trichloropropane	5.00	6.18		ug/L		124	80 - 125
Toluene	5.00	5.64		ug/L		113	80 - 120
Chlorobenzene	5.00	5.71		ug/L		114	80 - 120
1,2,4-Trimethylbenzene	5.00	5.53		ug/L		111	80 - 120
1,2,4-Trichlorobenzene	5.00	5.45		ug/L		109	68 - 122
Dibromochloromethane	5.00	5.83		ug/L		117	64 - 138
Xylenes, Total	15.0	16.9		ug/L		113	80 - 120
Tetrachloroethene	5.00	5.59		ug/L		112	80 - 120
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	80 - 122
Methyl tertiary butyl ether	5.00	5.23		ug/L		105	69 - 120
1,3,5-Trimethylbenzene	5.00	5.44		ug/L		109	80 - 120
1,3-Dichlorobenzene	5.00	5.56		ug/L		111	80 - 120
1,3-Dichloropropane	5.00	5.97		ug/L		119	80 - 120
Chloroform	5.00	5.17		ug/L		103	80 - 120
Benzene	5.00	5.02		ug/L		100	80 - 120
1,1,1-Trichloroethane	5.00	5.07		ug/L		101	78 - 126
Bromomethane	5.00	4.81		ug/L		96	60 - 136
Chloromethane	5.00	4.74		ug/L		95	56 - 124
Chloroethane	5.00	4.79		ug/L		96	63 - 120
2,2-Dichloropropane	5.00	5.14		ug/L		103	61 - 141
Vinyl chloride	5.00	4.32		ug/L		86	60 - 125
Methylene Chloride	5.00	5.14		ug/L		103	80 - 120
Carbon disulfide	5.00	5.42		ug/L		108	67 - 130
Bromoform	5.00	5.90		ug/L		118	49 - 144
Bromodichloromethane	5.00	5.20		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	5.03		ug/L		101	74 - 120
2-Chlorotoluene	5.00	5.61		ug/L		112	80 - 120
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	4.67		ug/L		93	62 - 136
4-Chlorotoluene	5.00	5.72		ug/L		114	80 - 120
Dichlorodifluoromethane	5.00	4.35		ug/L		87	43 - 123
1,2-Dichloropropane	5.00	5.13		ug/L		103	80 - 120
1,1,2-Trichloroethane	5.00	5.90		ug/L		118	80 - 120
Acrylonitrile	25.0	25.0		ug/L		100	64 - 139
Trichloroethene	5.00	4.97		ug/L		99	80 - 120
1,1,1,2-Tetrachloroethane	5.00	6.03		ug/L		121	75 - 123
1,2-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	6.33		ug/L		127	56 - 148
Bromobenzene	5.00	5.96		ug/L		119	80 - 120
Bromochloromethane	5.00	5.27		ug/L		105	80 - 120
Isopropylbenzene	5.00	5.59		ug/L		112	80 - 120
Dibromomethane	5.00	5.33		ug/L		107	80 - 122
di-Isopropyl ether	5.00	5.03		ug/L		101	58 - 131
Ethyl t-butyl ether	5.00	5.02		ug/L		100	57 - 126
Hexachlorobutadiene	5.00	4.34		ug/L		87	72 - 132
Naphthalene	5.00	5.64		ug/L		113	64 - 122
n-Butylbenzene	5.00	5.17		ug/L		103	74 - 123
N-Propylbenzene	5.00	5.52		ug/L		110	74 - 122
p-Isopropyltoluene	5.00	5.43		ug/L		109	80 - 120
sec-Butylbenzene	5.00	5.43		ug/L		109	80 - 120
t-Amyl methyl ether	5.00	5.18		ug/L		104	65 - 125
t-Butyl alcohol	50.0	55.3		ug/L		111	62 - 138
tert-Butylbenzene	5.00	5.78		ug/L		116	79 - 120
trans-1,4-Dichloro-2-butene	25.0	21.1		ug/L		84	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.65		ug/L		113	71 - 134	3	30
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.78		ug/L		116	61 - 129	4	30
Ethylbenzene	5.00	5.52		ug/L		110	80 - 120	1	30
Styrene	5.00	5.49		ug/L		110	80 - 120	3	30
1,4-Dichlorobenzene	5.00	5.57		ug/L		111	80 - 120	2	30
1,2-Dibromoethane	5.00	5.83		ug/L		117	80 - 120	4	30
1,1-Dichloropropene	5.00	5.03		ug/L		101	74 - 120	1	30
1,2-Dichloroethane	5.00	5.46		ug/L		109	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	5.13		ug/L		103	68 - 125	6	30
1,2,3-Trichloropropane	5.00	6.03		ug/L		121	80 - 125	3	30
Toluene	5.00	5.48		ug/L		110	80 - 120	3	30
Chlorobenzene	5.00	5.57		ug/L		111	80 - 120	3	30
1,2,4-Trimethylbenzene	5.00	5.40		ug/L		108	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	5.16		ug/L		103	68 - 122	5	30
Dibromochloromethane	5.00	5.75		ug/L		115	64 - 138	1	30
Xylenes, Total	15.00	16.6		ug/L		111	80 - 120	2	30
Tetrachloroethene	5.00	5.48		ug/L		110	80 - 120	2	30
cis-1,2-Dichloroethene	5.00	5.16		ug/L		103	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122	1	30
Methyl tertiary butyl ether	5.00	5.22		ug/L		104	69 - 120	0	30
1,3,5-Trimethylbenzene	5.00	5.35		ug/L		107	80 - 120	2	30
1,3-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30
1,3-Dichloropropane	5.00	5.89		ug/L		118	80 - 120	1	30
Chloroform	5.00	5.11		ug/L		102	80 - 120	1	30
Benzene	5.00	5.01		ug/L		100	80 - 120	0	30
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	78 - 126	1	30
Bromomethane	5.00	4.76		ug/L		95	60 - 136	1	30
Chloromethane	5.00	4.59		ug/L		92	56 - 124	3	30
Chloroethane	5.00	4.81		ug/L		96	63 - 120	0	30
2,2-Dichloropropane	5.00	5.07		ug/L		101	61 - 141	1	30
Vinyl chloride	5.00	4.43		ug/L		89	60 - 125	3	30
Methylene Chloride	5.00	5.05		ug/L		101	80 - 120	2	30
Carbon disulfide	5.00	5.35		ug/L		107	67 - 130	1	30
Bromoform	5.00	5.81		ug/L		116	49 - 144	2	30
Bromodichloromethane	5.00	5.13		ug/L		103	73 - 124	1	30
1,1-Dichloroethane	5.00	5.01		ug/L		100	74 - 120	0	30
2-Chlorotoluene	5.00	5.59		ug/L		112	80 - 120	0	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	5.03		ug/L		101	80 - 131	0	30
Trichlorofluoromethane	5.00	4.69		ug/L		94	62 - 136	0	30
4-Chlorotoluene	5.00	5.67		ug/L		113	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.23		ug/L		85	43 - 123	3	30
1,2-Dichloropropane	5.00	4.98		ug/L		100	80 - 120	3	30
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120	5	30
Acrylonitrile	25.0	26.4		ug/L		105	64 - 139	5	30
Trichloroethene	5.00	4.94		ug/L		99	80 - 120	1	30
1,1,1,2-Tetrachloroethane	5.00	5.94		ug/L		119	75 - 123	2	30
1,2-Dichlorobenzene	5.00	5.58		ug/L		112	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	5.84		ug/L		117	56 - 148	8	30
Bromobenzene	5.00	5.83		ug/L		117	80 - 120	2	30
Bromochloromethane	5.00	5.28		ug/L		106	80 - 120	0	30
Isopropylbenzene	5.00	5.50		ug/L		110	80 - 120	2	30
Dibromomethane	5.00	5.16		ug/L		103	80 - 122	3	30
di-Isopropyl ether	5.00	4.94		ug/L		99	58 - 131	2	30
Ethyl t-butyl ether	5.00	4.94		ug/L		99	57 - 126	2	30
Hexachlorobutadiene	5.00	3.98		ug/L		80	72 - 132	9	30
Naphthalene	5.00	5.31		ug/L		106	64 - 122	6	30
n-Butylbenzene	5.00	5.03		ug/L		101	74 - 123	3	30
N-Propylbenzene	5.00	5.38		ug/L		108	74 - 122	3	30
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120	2	30
sec-Butylbenzene	5.00	5.33		ug/L		107	80 - 120	2	30
t-Amyl methyl ether	5.00	5.12		ug/L		102	65 - 125	1	30
t-Butyl alcohol	50.0	49.8		ug/L		100	62 - 138	11	30
tert-Butylbenzene	5.00	5.41		ug/L		108	79 - 120	7	30
trans-1,4-Dichloro-2-butene	25.0	23.1		ug/L		92	10 - 172	9	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: MB 410-293315/7

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 10:52	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 10:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293315/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293315

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 10:52	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 10:52	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 10:52	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Chloroform	ND		0.50	0.090	ug/L			09/07/22 10:52	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 10:52	1
Bromoform	ND		1.0	0.30	ug/L			09/07/22 10:52	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/07/22 10:52	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293315/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293315

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 10:52	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/07/22 10:52	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/07/22 10:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/07/22 10:52	1
Dibromofluoromethane (Surr)	102		80 - 120		09/07/22 10:52	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/07/22 10:52	1
Toluene-d8 (Surr)	99		80 - 120		09/07/22 10:52	1

Lab Sample ID: LCS 410-293315/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293315

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.28		ug/L		106	71 - 134
cis-1,3-Dichloropropene	5.00	5.13		ug/L		103	67 - 121
trans-1,3-Dichloropropene	5.00	5.34		ug/L		107	61 - 129
Ethylbenzene	5.00	4.90		ug/L		98	80 - 120
Styrene	5.00	4.92		ug/L		98	80 - 120
1,4-Dichlorobenzene	5.00	4.68		ug/L		94	80 - 120
1,2-Dibromoethane	5.00	5.05		ug/L		101	80 - 120
1,1-Dichloropropene	5.00	5.02		ug/L		100	74 - 120
1,2-Dichloroethane	5.00	5.05		ug/L		101	69 - 122
1,2,3-Trichlorobenzene	5.00	4.81		ug/L		96	68 - 125
1,2,3-Trichloropropane	5.00	5.12		ug/L		102	80 - 125
Toluene	5.00	4.89		ug/L		98	80 - 120
Chlorobenzene	5.00	4.83		ug/L		97	80 - 120
1,2,4-Trimethylbenzene	5.00	4.88		ug/L		98	80 - 120
1,2,4-Trichlorobenzene	5.00	4.77		ug/L		95	68 - 122
Dibromochloromethane	5.00	5.64		ug/L		113	64 - 138
Xylenes, Total	15.0	14.8		ug/L		99	80 - 120
Tetrachloroethene	5.00	5.04		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122
trans-1,2-Dichloroethene	5.00	4.90		ug/L		98	80 - 122
Methyl tertiary butyl ether	5.00	5.01		ug/L		100	69 - 120
1,3,5-Trimethylbenzene	5.00	4.87		ug/L		97	80 - 120
1,3-Dichlorobenzene	5.00	4.74		ug/L		95	80 - 120
1,3-Dichloropropane	5.00	4.97		ug/L		99	80 - 120
Chloroform	5.00	5.01		ug/L		100	80 - 120
Benzene	5.00	4.98		ug/L		100	80 - 120
1,1,1-Trichloroethane	5.00	5.15		ug/L		103	78 - 126
Bromomethane	5.00	4.57		ug/L		91	60 - 136
Chloromethane	5.00	4.96		ug/L		99	56 - 124

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293315/4

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloroethane	5.00	4.70		ug/L		94	63 - 120
2,2-Dichloropropane	5.00	5.51		ug/L		110	61 - 141
Vinyl chloride	5.00	4.47		ug/L		89	60 - 125
Methylene Chloride	5.00	5.03		ug/L		101	80 - 120
Carbon disulfide	5.00	6.17		ug/L		123	67 - 130
Bromoform	5.00	6.08		ug/L		122	49 - 144
Bromodichloromethane	5.00	5.44		ug/L		109	73 - 124
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120
2-Chlorotoluene	5.00	4.80		ug/L		96	80 - 120
1,1-Dichloroethene	5.00	5.07		ug/L		101	80 - 131
Trichlorofluoromethane	5.00	4.84		ug/L		97	62 - 136
4-Chlorotoluene	5.00	4.80		ug/L		96	80 - 120
Dichlorodifluoromethane	5.00	4.59		ug/L		92	43 - 123
1,2-Dichloropropane	5.00	5.01		ug/L		100	80 - 120
1,1,2-Trichloroethane	5.00	5.00		ug/L		100	80 - 120
Acrylonitrile	25.0	25.5		ug/L		102	64 - 139
Trichloroethene	5.00	4.97		ug/L		99	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123
1,2-Dichlorobenzene	5.00	4.80		ug/L		96	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.44		ug/L		109	56 - 148
Bromobenzene	5.00	4.97		ug/L		99	80 - 120
Bromochloromethane	5.00	5.35		ug/L		107	80 - 120
Isopropylbenzene	5.00	5.06		ug/L		101	80 - 120
Dibromomethane	5.00	5.21		ug/L		104	80 - 122
di-Isopropyl ether	5.00	4.99		ug/L		100	58 - 131
Ethyl t-butyl ether	5.00	5.04		ug/L		101	57 - 126
Hexachlorobutadiene	5.00	5.06		ug/L		101	72 - 132
Naphthalene	5.00	4.89		ug/L		98	64 - 122
n-Butylbenzene	5.00	4.83		ug/L		97	74 - 123
N-Propylbenzene	5.00	4.84		ug/L		97	74 - 122
p-Isopropyltoluene	5.00	4.96		ug/L		99	80 - 120
sec-Butylbenzene	5.00	5.01		ug/L		100	80 - 120
t-Amyl methyl ether	5.00	5.20		ug/L		104	65 - 125
t-Butyl alcohol	50.0	37.9		ug/L		76	62 - 138
tert-Butylbenzene	5.00	4.72		ug/L		94	79 - 120
trans-1,4-Dichloro-2-butene	25.0	10.5		ug/L		42	10 - 172

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293315/5

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1,1,2-Tetrachloroethane	5.00	5.25		ug/L		105	71 - 134	1	30
cis-1,3-Dichloropropene	5.00	5.10		ug/L		102	67 - 121	1	30
trans-1,3-Dichloropropene	5.00	5.29		ug/L		106	61 - 129	1	30
Ethylbenzene	5.00	4.82		ug/L		96	80 - 120	2	30
Styrene	5.00	4.89		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene	5.00	4.67		ug/L		93	80 - 120	0	30
1,2-Dibromoethane	5.00	5.07		ug/L		101	80 - 120	0	30
1,1-Dichloropropene	5.00	4.97		ug/L		99	74 - 120	1	30
1,2-Dichloroethane	5.00	4.84		ug/L		97	69 - 122	4	30
1,2,3-Trichlorobenzene	5.00	4.81		ug/L		96	68 - 125	0	30
1,2,3-Trichloropropane	5.00	5.06		ug/L		101	80 - 125	1	30
Toluene	5.00	4.82		ug/L		96	80 - 120	1	30
Chlorobenzene	5.00	4.81		ug/L		96	80 - 120	0	30
1,2,4-Trimethylbenzene	5.00	4.84		ug/L		97	80 - 120	1	30
1,2,4-Trichlorobenzene	5.00	4.71		ug/L		94	68 - 122	1	30
Dibromochloromethane	5.00	5.64		ug/L		113	64 - 138	0	30
Xylenes, Total	15.0	14.7		ug/L		98	80 - 120	1	30
Tetrachloroethene	5.00	4.90		ug/L		98	80 - 120	3	30
cis-1,2-Dichloroethene	5.00	5.17		ug/L		103	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.89		ug/L		98	80 - 122	0	30
Methyl tertiary butyl ether	5.00	4.97		ug/L		99	69 - 120	1	30
1,3,5-Trimethylbenzene	5.00	4.81		ug/L		96	80 - 120	1	30
1,3-Dichlorobenzene	5.00	4.74		ug/L		95	80 - 120	0	30
1,3-Dichloropropane	5.00	4.93		ug/L		99	80 - 120	1	30
Chloroform	5.00	4.96		ug/L		99	80 - 120	1	30
Benzene	5.00	4.93		ug/L		99	80 - 120	1	30
1,1,1-Trichloroethane	5.00	5.12		ug/L		102	78 - 126	1	30
Bromomethane	5.00	4.64		ug/L		93	60 - 136	2	30
Chloromethane	5.00	5.00		ug/L		100	56 - 124	1	30
Chloroethane	5.00	4.64		ug/L		93	63 - 120	1	30
2,2-Dichloropropane	5.00	5.42		ug/L		108	61 - 141	2	30
Vinyl chloride	5.00	4.48		ug/L		90	60 - 125	0	30
Methylene Chloride	5.00	4.98		ug/L		100	80 - 120	1	30
Carbon disulfide	5.00	6.13		ug/L		123	67 - 130	1	30
Bromoform	5.00	6.00		ug/L		120	49 - 144	1	30
Bromodichloromethane	5.00	5.43		ug/L		109	73 - 124	0	30
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120	0	30
2-Chlorotoluene	5.00	4.80		ug/L		96	80 - 120	0	30
1,1-Dichloroethene	5.00	4.95		ug/L		99	80 - 131	3	30
Trichlorofluoromethane	5.00	4.72		ug/L		94	62 - 136	3	30
4-Chlorotoluene	5.00	4.79		ug/L		96	80 - 120	0	30
Dichlorodifluoromethane	5.00	4.59		ug/L		92	43 - 123	0	30
1,2-Dichloropropane	5.00	4.96		ug/L		99	80 - 120	1	30
1,1,2-Trichloroethane	5.00	4.97		ug/L		99	80 - 120	0	30
Acrylonitrile	25.0	27.2		ug/L		109	64 - 139	7	30
Trichloroethene	5.00	4.90		ug/L		98	80 - 120	2	30
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123	0	30
1,2-Dichlorobenzene	5.00	4.75		ug/L		95	80 - 120	1	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293315/5

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,2-Dibromo-3-Chloropropane	5.00	5.38		ug/L		108	56 - 148	1	30
Bromobenzene	5.00	4.96		ug/L		99	80 - 120	0	30
Bromochloromethane	5.00	5.33		ug/L		107	80 - 120	0	30
Isopropylbenzene	5.00	4.98		ug/L		100	80 - 120	2	30
Dibromomethane	5.00	5.19		ug/L		104	80 - 122	0	30
di-Isopropyl ether	5.00	4.95		ug/L		99	58 - 131	1	30
Ethyl t-butyl ether	5.00	5.00		ug/L		100	57 - 126	1	30
Hexachlorobutadiene	5.00	5.00		ug/L		100	72 - 132	1	30
Naphthalene	5.00	4.85		ug/L		97	64 - 122	1	30
n-Butylbenzene	5.00	4.77		ug/L		95	74 - 123	1	30
N-Propylbenzene	5.00	4.78		ug/L		96	74 - 122	1	30
p-Isopropyltoluene	5.00	4.92		ug/L		98	80 - 120	1	30
sec-Butylbenzene	5.00	4.97		ug/L		99	80 - 120	1	30
t-Amyl methyl ether	5.00	5.16		ug/L		103	65 - 125	1	30
t-Butyl alcohol	50.0	43.5		ug/L		87	62 - 138	14	30
tert-Butylbenzene	5.00	5.03		ug/L		101	79 - 120	6	30
trans-1,4-Dichloro-2-butene	25.0	10.9		ug/L		44	10 - 172	4	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-291885/4

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/01/22 11:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135		09/01/22 11:21	1

Lab Sample ID: LCS 410-291885/5

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
GRO (1C)	1.10	0.967		mg/L		88	70 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCSD 410-291885/6

Matrix: Water

Analysis Batch: 291885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.965		mg/L		88	70 - 123	0	30
Surrogate	%Recovery	Qualifier	Limits						
<i>a,a,a</i> -Trifluorotoluene (<i>fid</i>) (1C)	93		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-291377/1-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 291377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -terphenyl (<i>Surr</i>)	122		37 - 153				08/31/22 07:31	09/01/22 02:43	1

Lab Sample ID: LCS 410-291377/2-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2650	2380		ug/L		90	78 - 133		
Surrogate	%Recovery	Qualifier	Limits						
<i>o</i> -terphenyl (<i>Surr</i>)	131		37 - 153						

Lab Sample ID: LCSD 410-291377/3-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2650	2260		ug/L		85	78 - 133	5	20
Surrogate	%Recovery	Qualifier	Limits						
<i>o</i> -terphenyl (<i>Surr</i>)	121		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

GC/MS VOA

Analysis Batch: 292931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95914-1	MW-14A	Total/NA	Water	8260C LL	
410-95914-2	MW-14B	Total/NA	Water	8260C LL	
410-95914-3	MW-17B	Total/NA	Water	8260C LL	
410-95914-4	MW-17A	Total/NA	Water	8260C LL	
MB 410-292931/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-292931/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-292931/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

Analysis Batch: 293315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95914-2 - DL	MW-14B	Total/NA	Water	8260C LL	
MB 410-293315/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-293315/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-293315/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 291885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95914-1	MW-14A	Total/NA	Water	8015D	
410-95914-2	MW-14B	Total/NA	Water	8015D	
410-95914-3	MW-17B	Total/NA	Water	8015D	
410-95914-4	MW-17A	Total/NA	Water	8015D	
MB 410-291885/4	Method Blank	Total/NA	Water	8015D	
LCS 410-291885/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-291885/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 291377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95914-1	MW-14A	Total/NA	Water	3511	
410-95914-2	MW-14B	Total/NA	Water	3511	
410-95914-3	MW-17B	Total/NA	Water	3511	
410-95914-4	MW-17A	Total/NA	Water	3511	
MB 410-291377/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 291732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-95914-1	MW-14A	Total/NA	Water	8015D	291377
410-95914-2	MW-14B	Total/NA	Water	8015D	291377
410-95914-3	MW-17B	Total/NA	Water	8015D	291377
410-95914-4	MW-17A	Total/NA	Water	8015D	291377
MB 410-291377/1-A	Method Blank	Total/NA	Water	8015D	291377
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	8015D	291377
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	291377

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Client Sample ID: MW-14A

Lab Sample ID: 410-95914-1

Date Collected: 08/25/22 10:40

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 14:56
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 14:48
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 05:30

Client Sample ID: MW-14B

Lab Sample ID: 410-95914-2

Date Collected: 08/25/22 11:40

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL	DL	5	293315	DVW2	ELLE	09/07/22 15:39
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 15:17
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 15:13
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 05:53

Client Sample ID: MW-17B

Lab Sample ID: 410-95914-3

Date Collected: 08/25/22 12:50

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 15:37
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 15:39
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 06:17

Client Sample ID: MW-17A

Lab Sample ID: 410-95914-4

Date Collected: 08/25/22 14:25

Matrix: Water

Date Received: 08/26/22 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 15:57
Total/NA	Analysis	8015D		1	291885	NND8	ELLE	09/01/22 16:04
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 06:41

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-95914-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95914-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-95914-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-95914-1	MW-14A	Water	08/25/22 10:40	08/26/22 16:50
410-95914-2	MW-14B	Water	08/25/22 11:40	08/26/22 16:50
410-95914-3	MW-17B	Water	08/25/22 12:50	08/26/22 16:50
410-95914-4	MW-17A	Water	08/25/22 14:25	08/26/22 16:50

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Lancaster Laboratories
Environmental

Environmental Analysis



410-95914 Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested										For Lab Use Only					
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Other:			Preservation Codes H H H Full Suite VOCs plus oxygenates and Naphthalene (8260) TPH-GRO (8015B) TPH-DRO (8015B)										SF #: _____					
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206															SCR #: _____					
Sampler: <i>Stannalis</i>		PWSID #:															Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other					
Phone #: 800-220-3606 x 3726		Quote #:															Remarks					
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD																						
Sample Identification		Collection		Grab	Composite	Soil	Water	Other:	Total # of Containers	Full Suite VOCs plus oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	TPH-DRO (8015B)										
		Date	Time																			
MW-14A		8/25/22	1040	X			X		2	X	X	X	EQEDD file name:									
MW-14B		8/25/22	1140	X			X		2	X	X	X	High's Store No 141-									
MW-17B		8/24/22	1250	X			X		2	X	X	X	lab report #.17962.									
MW-17A		8/24/22	1425	X			X		2	X	X	X	EQEDD.zip									
														Send invoice to:								
														ges-invoices@								
														gesonline.com &								
														include PO #								
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Stannalis</i>			Date	Time	Received by:	Date	Time											
(Rush TAT is subject to laboratory approval and surcharges.)							8/25/22	1622	<i>Denise Woodrin</i>	8-25-22	1630											
Date results are needed:				Relinquished by: <i>Denise Woodrin</i>			Date	Time	Received by:	Date	Time											
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>							8-26-22	1343	<i>Denise Woodrin</i>	8/26/22	13:43											
E-mail Address: <u>midatlantic@gesonline.com</u> & <u>ges@equisonline.com</u>				Relinquished by: <i>Denise Woodrin</i>			Date	Time	Received by:	Date	Time											
Phone: _____							8/26/22	16:48	<i>Denise Woodrin</i>													
Data Package Options (please check if required)				Relinquished by:			Date	Time	Received by:	Date	Time											
Type I (Validation/non-CLP) <input type="checkbox"/>	MA MCP <input type="checkbox"/>																					
Type III (Reduced non-CLP) <input type="checkbox"/>	CT RCP <input type="checkbox"/>																					
Type VI (Raw Data Only) <input type="checkbox"/>	TX TRRP-13 <input type="checkbox"/>																					
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by:			Date	Time	Received by:	Date	Time											
									<i>Denise Woodrin</i>	8/24/22	1650											
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES.EQEDD</u>				Relinquished by Commercial Carrier:								Temperature upon receipt <u>2.1</u> °C										
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				UPS _____ FedEx _____ Other _____																		

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-95914-1

Login Number: 95914

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present.
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-96031-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/7/2022 3:43:59 PM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter".

Amek Carter
Project Manager
9/7/2022 3:43:59 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	20
Lab Chronicle	21
Certification Summary	22
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96031-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96031-1

Job ID: 410-96031-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-96031-1

Receipt

The samples were received on 8/29/2022 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-16B (410-96031-1), MW-16A (410-96031-2) and MW-11A (410-96031-3). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-16B

Lab Sample ID: 410-96031-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	3.1		0.50	0.080	ug/L	1		8260C LL	Total/NA
t-Butyl alcohol	5.5	J	10	3.0	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-16A

Lab Sample ID: 410-96031-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.90		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-11A

Lab Sample ID: 410-96031-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.81		0.50	0.080	ug/L	1		8260C LL	Total/NA
Carbon disulfide	0.13	J	1.0	0.10	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-16B

Lab Sample ID: 410-96031-1

Date Collected: 08/26/22 10:20

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 19:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 19:01	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 19:01	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 19:01	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 19:01	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Methyl tertiary butyl ether	3.1		0.50	0.080	ug/L			09/06/22 19:01	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 19:01	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 19:01	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 19:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 19:01	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 19:01	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:01	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 19:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-16B

Lab Sample ID: 410-96031-1

Date Collected: 08/26/22 10:20

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 19:01	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 19:01	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 19:01	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 19:01	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 19:01	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 19:01	1
t-Butyl alcohol	5.5	J	10	3.0	ug/L			09/06/22 19:01	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:01	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 19:01	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 19:01	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 19:01	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 19:01	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 16:52	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 08:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	119		37 - 153	08/31/22 07:31	09/01/22 08:39	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-16A

Lab Sample ID: 410-96031-2

Date Collected: 08/26/22 11:20

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 19:21	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,2-Dibromoethane	ND	*+	0.50	0.080	ug/L			09/06/22 19:21	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 19:21	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 19:21	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 19:21	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Methyl tertiary butyl ether	0.90		0.50	0.080	ug/L			09/06/22 19:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 19:21	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 19:21	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 19:21	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 19:21	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 19:21	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:21	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 19:21	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-16A

Lab Sample ID: 410-96031-2

Date Collected: 08/26/22 11:20

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 19:21	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 19:21	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 19:21	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 19:21	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 19:21	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 19:21	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 19:21	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:21	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/06/22 19:21	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 19:21	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 19:21	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 19:21	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 17:18	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 09:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	120		37 - 153	08/31/22 07:31	09/01/22 09:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-11A

Lab Sample ID: 410-96031-3

Date Collected: 08/26/22 12:30

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 19:42	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 19:42	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 19:42	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 19:42	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 19:42	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Methyl tertiary butyl ether	0.81		0.50	0.080	ug/L			09/06/22 19:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 19:42	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Carbon disulfide	0.13	J	1.0	0.10	ug/L			09/06/22 19:42	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 19:42	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 19:42	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 19:42	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 19:42	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 19:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-11A

Lab Sample ID: 410-96031-3

Date Collected: 08/26/22 12:30

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 19:42	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 19:42	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 19:42	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 19:42	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 19:42	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 19:42	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 19:42	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 19:42	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		09/06/22 19:42	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 19:42	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 19:42	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 19:42	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 17:43	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 09:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	116		37 - 153	08/31/22 07:31	09/01/22 09:27	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-96031-1	MW-16B	104	100	96	104
410-96031-2	MW-16A	103	99	96	105
410-96031-3	MW-11A	106	100	96	104
LCS 410-292931/4	Lab Control Sample	103	99	98	105
LCSD 410-292931/5	Lab Control Sample Dup	104	100	98	105
MB 410-292931/7	Method Blank	104	99	96	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-96031-1	MW-16B	102
410-96031-2	MW-16A	102
410-96031-3	MW-11A	102
LCS 410-292922/5	Lab Control Sample	95
LCSD 410-292922/6	Lab Control Sample Dup	94
MB 410-292922/4	Method Blank	102

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-96031-1	MW-16B	119
410-96031-2	MW-16A	120
410-96031-3	MW-11A	116
LCS 410-291377/2-A	Lab Control Sample	131
LCSD 410-291377/3-A	Lab Control Sample Dup	121
MB 410-291377/1-A	Method Blank	122

Surrogate Legend

OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 13:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 13:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 13:14	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 13:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/06/22 13:14	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 13:14	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 13:14	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 13:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 13:14	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 13:14	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 13:14	1
Toluene-d8 (Surr)	106		80 - 120		09/06/22 13:14	1

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.07		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	6.00		ug/L		120	61 - 129
Ethylbenzene	5.00	5.57		ug/L		111	80 - 120
Styrene	5.00	5.67		ug/L		113	80 - 120
1,4-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromoethane	5.00	6.06	*+	ug/L		121	80 - 120
1,1-Dichloropropene	5.00	5.08		ug/L		102	74 - 120
1,2-Dichloroethane	5.00	5.41		ug/L		108	69 - 122
1,2,3-Trichlorobenzene	5.00	5.42		ug/L		108	68 - 125
1,2,3-Trichloropropane	5.00	6.18		ug/L		124	80 - 125
Toluene	5.00	5.64		ug/L		113	80 - 120
Chlorobenzene	5.00	5.71		ug/L		114	80 - 120
1,2,4-Trimethylbenzene	5.00	5.53		ug/L		111	80 - 120
1,2,4-Trichlorobenzene	5.00	5.45		ug/L		109	68 - 122
Dibromochloromethane	5.00	5.83		ug/L		117	64 - 138
Xylenes, Total	15.0	16.9		ug/L		113	80 - 120
Tetrachloroethene	5.00	5.59		ug/L		112	80 - 120
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	80 - 122
Methyl tertiary butyl ether	5.00	5.23		ug/L		105	69 - 120
1,3,5-Trimethylbenzene	5.00	5.44		ug/L		109	80 - 120
1,3-Dichlorobenzene	5.00	5.56		ug/L		111	80 - 120
1,3-Dichloropropane	5.00	5.97		ug/L		119	80 - 120
Chloroform	5.00	5.17		ug/L		103	80 - 120
Benzene	5.00	5.02		ug/L		100	80 - 120
1,1,1-Trichloroethane	5.00	5.07		ug/L		101	78 - 126
Bromomethane	5.00	4.81		ug/L		96	60 - 136
Chloromethane	5.00	4.74		ug/L		95	56 - 124
Chloroethane	5.00	4.79		ug/L		96	63 - 120
2,2-Dichloropropane	5.00	5.14		ug/L		103	61 - 141
Vinyl chloride	5.00	4.32		ug/L		86	60 - 125
Methylene Chloride	5.00	5.14		ug/L		103	80 - 120
Carbon disulfide	5.00	5.42		ug/L		108	67 - 130
Bromoform	5.00	5.90		ug/L		118	49 - 144
Bromodichloromethane	5.00	5.20		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	5.03		ug/L		101	74 - 120
2-Chlorotoluene	5.00	5.61		ug/L		112	80 - 120
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	4.67		ug/L		93	62 - 136
4-Chlorotoluene	5.00	5.72		ug/L		114	80 - 120
Dichlorodifluoromethane	5.00	4.35		ug/L		87	43 - 123
1,2-Dichloropropane	5.00	5.13		ug/L		103	80 - 120
1,1,2-Trichloroethane	5.00	5.90		ug/L		118	80 - 120
Acrylonitrile	25.0	25.0		ug/L		100	64 - 139
Trichloroethene	5.00	4.97		ug/L		99	80 - 120
1,1,1,2-Tetrachloroethane	5.00	6.03		ug/L		121	75 - 123
1,2-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	6.33		ug/L		127	56 - 148
Bromobenzene	5.00	5.96		ug/L		119	80 - 120
Bromochloromethane	5.00	5.27		ug/L		105	80 - 120
Isopropylbenzene	5.00	5.59		ug/L		112	80 - 120
Dibromomethane	5.00	5.33		ug/L		107	80 - 122
di-Isopropyl ether	5.00	5.03		ug/L		101	58 - 131
Ethyl t-butyl ether	5.00	5.02		ug/L		100	57 - 126
Hexachlorobutadiene	5.00	4.34		ug/L		87	72 - 132
Naphthalene	5.00	5.64		ug/L		113	64 - 122
n-Butylbenzene	5.00	5.17		ug/L		103	74 - 123
N-Propylbenzene	5.00	5.52		ug/L		110	74 - 122
p-Isopropyltoluene	5.00	5.43		ug/L		109	80 - 120
sec-Butylbenzene	5.00	5.43		ug/L		109	80 - 120
t-Amyl methyl ether	5.00	5.18		ug/L		104	65 - 125
t-Butyl alcohol	50.0	55.3		ug/L		111	62 - 138
tert-Butylbenzene	5.00	5.78		ug/L		116	79 - 120
trans-1,4-Dichloro-2-butene	25.0	21.1		ug/L		84	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.65		ug/L		113	71 - 134	3	30
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.78		ug/L		116	61 - 129	4	30
Ethylbenzene	5.00	5.52		ug/L		110	80 - 120	1	30
Styrene	5.00	5.49		ug/L		110	80 - 120	3	30
1,4-Dichlorobenzene	5.00	5.57		ug/L		111	80 - 120	2	30
1,2-Dibromoethane	5.00	5.83		ug/L		117	80 - 120	4	30
1,1-Dichloropropene	5.00	5.03		ug/L		101	74 - 120	1	30
1,2-Dichloroethane	5.00	5.46		ug/L		109	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	5.13		ug/L		103	68 - 125	6	30
1,2,3-Trichloropropane	5.00	6.03		ug/L		121	80 - 125	3	30
Toluene	5.00	5.48		ug/L		110	80 - 120	3	30
Chlorobenzene	5.00	5.57		ug/L		111	80 - 120	3	30
1,2,4-Trimethylbenzene	5.00	5.40		ug/L		108	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	5.16		ug/L		103	68 - 122	5	30
Dibromochloromethane	5.00	5.75		ug/L		115	64 - 138	1	30
Xylenes, Total	15.0	16.6		ug/L		111	80 - 120	2	30
Tetrachloroethene	5.00	5.48		ug/L		110	80 - 120	2	30
cis-1,2-Dichloroethene	5.00	5.16		ug/L		103	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122	1	30
Methyl tertiary butyl ether	5.00	5.22		ug/L		104	69 - 120	0	30
1,3,5-Trimethylbenzene	5.00	5.35		ug/L		107	80 - 120	2	30
1,3-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30
1,3-Dichloropropane	5.00	5.89		ug/L		118	80 - 120	1	30
Chloroform	5.00	5.11		ug/L		102	80 - 120	1	30
Benzene	5.00	5.01		ug/L		100	80 - 120	0	30
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	78 - 126	1	30
Bromomethane	5.00	4.76		ug/L		95	60 - 136	1	30
Chloromethane	5.00	4.59		ug/L		92	56 - 124	3	30
Chloroethane	5.00	4.81		ug/L		96	63 - 120	0	30
2,2-Dichloropropane	5.00	5.07		ug/L		101	61 - 141	1	30
Vinyl chloride	5.00	4.43		ug/L		89	60 - 125	3	30
Methylene Chloride	5.00	5.05		ug/L		101	80 - 120	2	30
Carbon disulfide	5.00	5.35		ug/L		107	67 - 130	1	30
Bromoform	5.00	5.81		ug/L		116	49 - 144	2	30
Bromodichloromethane	5.00	5.13		ug/L		103	73 - 124	1	30
1,1-Dichloroethane	5.00	5.01		ug/L		100	74 - 120	0	30
2-Chlorotoluene	5.00	5.59		ug/L		112	80 - 120	0	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	5.03		ug/L		101	80 - 131	0	30
Trichlorofluoromethane	5.00	4.69		ug/L		94	62 - 136	0	30
4-Chlorotoluene	5.00	5.67		ug/L		113	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.23		ug/L		85	43 - 123	3	30
1,2-Dichloropropane	5.00	4.98		ug/L		100	80 - 120	3	30
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120	5	30
Acrylonitrile	25.0	26.4		ug/L		105	64 - 139	5	30
Trichloroethene	5.00	4.94		ug/L		99	80 - 120	1	30
1,1,1,2-Tetrachloroethane	5.00	5.94		ug/L		119	75 - 123	2	30
1,2-Dichlorobenzene	5.00	5.58		ug/L		112	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	5.84		ug/L		117	56 - 148	8	30
Bromobenzene	5.00	5.83		ug/L		117	80 - 120	2	30
Bromochloromethane	5.00	5.28		ug/L		106	80 - 120	0	30
Isopropylbenzene	5.00	5.50		ug/L		110	80 - 120	2	30
Dibromomethane	5.00	5.16		ug/L		103	80 - 122	3	30
di-Isopropyl ether	5.00	4.94		ug/L		99	58 - 131	2	30
Ethyl t-butyl ether	5.00	4.94		ug/L		99	57 - 126	2	30
Hexachlorobutadiene	5.00	3.98		ug/L		80	72 - 132	9	30
Naphthalene	5.00	5.31		ug/L		106	64 - 122	6	30
n-Butylbenzene	5.00	5.03		ug/L		101	74 - 123	3	30
N-Propylbenzene	5.00	5.38		ug/L		108	74 - 122	3	30
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120	2	30
sec-Butylbenzene	5.00	5.33		ug/L		107	80 - 120	2	30
t-Amyl methyl ether	5.00	5.12		ug/L		102	65 - 125	1	30
t-Butyl alcohol	50.0	49.8		ug/L		100	62 - 138	11	30
tert-Butylbenzene	5.00	5.41		ug/L		108	79 - 120	7	30
trans-1,4-Dichloro-2-butene	25.0	23.1		ug/L		92	10 - 172	9	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-292922/4

Matrix: Water

Analysis Batch: 292922

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 12:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 12:10	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 410-292922/5

Matrix: Water

Analysis Batch: 292922

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1.10	0.957		mg/L		87	70 - 123
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid) (1C)	95		63 - 135				

Lab Sample ID: LCSD 410-292922/6

Matrix: Water

Analysis Batch: 292922

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.950		mg/L		86	70 - 123	1	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	94		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-291377/1-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 291377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 02:43	1
Surrogate	%Recovery	MB Qualifier	Limits						
o-terphenyl (Surr)	122		37 - 153						

Lab Sample ID: LCS 410-291377/2-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	2650	2380		ug/L		90	78 - 133
Surrogate	%Recovery	LCS Qualifier	Limits				
o-terphenyl (Surr)	131		37 - 153				

Lab Sample ID: LCSD 410-291377/3-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2650	2260		ug/L		85	78 - 133	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-terphenyl (Surr)	121		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

GC/MS VOA

Analysis Batch: 292931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96031-1	MW-16B	Total/NA	Water	8260C LL	
410-96031-2	MW-16A	Total/NA	Water	8260C LL	
410-96031-3	MW-11A	Total/NA	Water	8260C LL	
MB 410-292931/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-292931/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-292931/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 292922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96031-1	MW-16B	Total/NA	Water	8015D	
410-96031-2	MW-16A	Total/NA	Water	8015D	
410-96031-3	MW-11A	Total/NA	Water	8015D	
MB 410-292922/4	Method Blank	Total/NA	Water	8015D	
LCS 410-292922/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-292922/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 291377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96031-1	MW-16B	Total/NA	Water	3511	
410-96031-2	MW-16A	Total/NA	Water	3511	
410-96031-3	MW-11A	Total/NA	Water	3511	
MB 410-291377/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 291732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96031-1	MW-16B	Total/NA	Water	8015D	291377
410-96031-2	MW-16A	Total/NA	Water	8015D	291377
410-96031-3	MW-11A	Total/NA	Water	8015D	291377
MB 410-291377/1-A	Method Blank	Total/NA	Water	8015D	291377
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	8015D	291377
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	291377

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Client Sample ID: MW-16B

Lab Sample ID: 410-96031-1

Date Collected: 08/26/22 10:20

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 19:01
Total/NA	Analysis	8015D		1	292922	MX6	ELLE	09/06/22 16:52
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 08:39

Client Sample ID: MW-16A

Lab Sample ID: 410-96031-2

Date Collected: 08/26/22 11:20

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 19:21
Total/NA	Analysis	8015D		1	292922	MX6	ELLE	09/06/22 17:18
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 09:03

Client Sample ID: MW-11A

Lab Sample ID: 410-96031-3

Date Collected: 08/26/22 12:30

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 19:42
Total/NA	Analysis	8015D		1	292922	MX6	ELLE	09/06/22 17:43
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 09:27

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96031-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96031-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96031-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-96031-1	MW-16B	Water	08/26/22 10:20	08/29/22 17:30
410-96031-2	MW-16A	Water	08/26/22 11:20	08/29/22 17:30
410-96031-3	MW-11A	Water	08/26/22 12:30	08/29/22 17:30

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410-96031 Chain of Custody

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.		Matrix			Analyses Requested						For Lab Use Only																															
Project Name/#: High's Store No. 141		Site ID #: _____			Preservation Codes						SF #: _____																															
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206			<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">H</td> <td style="width: 25%;">H</td> <td style="width: 25%;">H</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>Full Suite VOCs plus oxygenates and Naphthalene (8260)</td> <td>TPH-GRO (8015B)</td> <td>TPH-DRO (8015B)</td> <td colspan="3"></td> <td colspan="3"></td> </tr> </table>						H	H	H							Full Suite VOCs plus oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	TPH-DRO (8015B)							SCR #: _____													
H	H	H																																								
Full Suite VOCs plus oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	TPH-DRO (8015B)																																								
Sampler: <u>Orama Kalis</u>		PWSID #: _____			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="6" style="text-align: center;">Preservation Codes</td> </tr> <tr> <td>H = HCl</td> <td>T = Thiosulfate</td> <td colspan="4"></td> </tr> <tr> <td>N = HNO₃</td> <td>B = NaOH</td> <td colspan="4"></td> </tr> <tr> <td>S = H₂SO₄</td> <td>P = H₃PO₄</td> <td colspan="4"></td> </tr> <tr> <td colspan="6">O = Other</td> </tr> </table>						Preservation Codes						H = HCl	T = Thiosulfate					N = HNO ₃	B = NaOH					S = H ₂ SO ₄	P = H ₃ PO ₄					O = Other						Remarks	
Preservation Codes																																										
H = HCl	T = Thiosulfate																																									
N = HNO ₃	B = NaOH																																									
S = H ₂ SO ₄	P = H ₃ PO ₄																																									
O = Other																																										
Phone #: 800-220-3606 x 3726		Quote #: _____									EQEDD file name: _____																															
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD											High's Store No 141-lab report #.17962.																															
Sample Identification		Collection		Grab	Composite	Soil <input type="checkbox"/>	Water <input type="checkbox"/>	Other: _____	Total # of Containers							EQEDD.zip																										
		Date	Time													Remarks																										
<u>MW 16B</u>		<u>8/26/22</u>	<u>10:20</u>	X			X		7	X	X	X							Send invoice to:																							
<u>MW 16A</u>		<u>8/26/22</u>	<u>11:20</u>	X			X		7	X	X	X							ges-invoices@																							
<u>MW 11A</u>		<u>8/26/22</u>	<u>12:30</u>	X			X		7	X	X	X							gesonline.com &																							
													include PO #																													
Turnaround Time Requested (TAT) (please check):				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Relinquished by: <u>[Signature]</u>		Date: <u>8/26/22</u> Time: <u>1500</u>		Received by: <u>Denise Woodin</u>		Date: <u>8/26/22</u> Time: <u>1500</u>																														
(Rush TAT is subject to laboratory approval and surcharges.)						Relinquished by: <u>Denise Woodin</u>		Date: <u>8-29-22</u> Time: <u>1455</u>		Received by: <u>John</u>		Date: <u>8/29/22</u> Time: <u>1455</u>																														
Date results are needed:				Rush results requested by (please check):		Relinquished by: <u>John</u>		Date: <u>8/29/22</u> Time: <u>17:29</u>		Received by: _____		Date: _____ Time: _____																														
E-mail Address: <u>midatlantic@gesonline.com & ges@equisonline.com</u>				E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>		Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____																														
Phone: _____						Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____																														
Data Package Options (please check if required)						Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____																														
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>						Relinquished by: _____		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: <u>8/29/22</u> Time: <u>1730</u>																														
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>						Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____																														
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>						Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____																														
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B						Relinquished by Commercial Carrier:				Received by: _____		Date: _____ Time: _____																														
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>						UPS _____ FedEx _____ Other _____				Temperature upon receipt <u>1.1</u> °C																																
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip																																										

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-96031-1

Login Number: 96031

List Number: 1

Creator: Renner, Melissa

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-96030-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/7/2022 3:43:43 PM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

LINKS

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive, flowing style.

Amek Carter
Project Manager
9/7/2022 3:43:43 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	22
Lab Chronicle	23
Certification Summary	24
Method Summary	26
Sample Summary	27
Chain of Custody	28
Receipt Checklists	29

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96030-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96030-1

Job ID: 410-96030-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-96030-1

Receipt

The samples were received on 8/29/2022 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-292931 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-21 (410-96030-1), MW-22 (410-96030-2), RW-1 (410-96030-3) and RW-3 (410-96030-4). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: MW-21

Lab Sample ID: 410-96030-1

No Detections.

Client Sample ID: MW-22

Lab Sample ID: 410-96030-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	1.2		0.50	0.080	ug/L	1		8260C LL	Total/NA
sec-Butylbenzene	0.16	J	0.50	0.10	ug/L	1		8260C LL	Total/NA

Client Sample ID: RW-1

Lab Sample ID: 410-96030-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.80		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: RW-3

Lab Sample ID: 410-96030-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.41	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: MW-21

Lab Sample ID: 410-96030-1

Date Collected: 08/26/22 09:30

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 17:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 17:39	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 17:39	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 17:39	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 17:39	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:39	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 17:39	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 17:39	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 17:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 17:39	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 17:39	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 17:39	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 17:39	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: MW-21

Lab Sample ID: 410-96030-1

Date Collected: 08/26/22 09:30

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 17:39	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 17:39	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 17:39	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 17:39	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 17:39	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 17:39	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 17:39	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 17:39	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 17:39	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 17:39	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 17:39	1
Toluene-d8 (Surr)	105		80 - 120		09/06/22 17:39	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 15:09	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 07:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	123		37 - 153	08/31/22 07:31	09/01/22 07:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: MW-22

Lab Sample ID: 410-96030-2

Date Collected: 08/26/22 10:00

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 18:00	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:00	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,2-Dibromoethane	ND	*+	0.50	0.080	ug/L			09/06/22 18:00	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:00	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 18:00	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 18:00	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 18:00	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Methyl tertiary butyl ether	1.2		0.50	0.080	ug/L			09/06/22 18:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 18:00	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 18:00	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 18:00	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 18:00	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 18:00	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 18:00	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:00	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 18:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: MW-22

Lab Sample ID: 410-96030-2

Date Collected: 08/26/22 10:00

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 18:00	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 18:00	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 18:00	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 18:00	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:00	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
sec-Butylbenzene	0.16	J	0.50	0.10	ug/L			09/06/22 18:00	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 18:00	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 18:00	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:00	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		09/06/22 18:00	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 18:00	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 18:00	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 18:00	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/06/22 15:35	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 07:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	119		37 - 153	08/31/22 07:31	09/01/22 07:28	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: RW-1

Lab Sample ID: 410-96030-3

Date Collected: 08/26/22 10:55

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 18:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,2-Dibromoethane	ND	*+	0.50	0.080	ug/L			09/06/22 18:20	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 18:20	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 18:20	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 18:20	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Methyl tertiary butyl ether	0.80		0.50	0.080	ug/L			09/06/22 18:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 18:20	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 18:20	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 18:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 18:20	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 18:20	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:20	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 18:20	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: RW-1

Lab Sample ID: 410-96030-3

Date Collected: 08/26/22 10:55

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 18:20	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 18:20	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 18:20	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 18:20	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:20	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 18:20	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 18:20	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:20	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/06/22 18:20	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 18:20	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/06/22 18:20	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 18:20	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 16:00	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 07:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	93		37 - 153	08/31/22 07:31	09/01/22 07:52	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: RW-3

Lab Sample ID: 410-96030-4

Date Collected: 08/26/22 12:00

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 18:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,2-Dibromoethane	ND	+	0.50	0.080	ug/L			09/06/22 18:41	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 18:41	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 18:41	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 18:41	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Methyl tertiary butyl ether	0.41	J	0.50	0.080	ug/L			09/06/22 18:41	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 18:41	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 18:41	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 18:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/06/22 18:41	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 18:41	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 18:41	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/06/22 18:41	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: RW-3

Lab Sample ID: 410-96030-4

Date Collected: 08/26/22 12:00

Matrix: Water

Date Received: 08/29/22 17:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 18:41	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 18:41	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 18:41	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/06/22 18:41	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 18:41	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 18:41	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 18:41	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 18:41	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		09/06/22 18:41	1
Dibromofluoromethane (Surr)	100		80 - 120		09/06/22 18:41	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 18:41	1
Toluene-d8 (Surr)	104		80 - 120		09/06/22 18:41	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 16:26	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		08/31/22 07:31	09/01/22 08:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	96		37 - 153	08/31/22 07:31	09/01/22 08:15	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-96030-1	MW-21	104	99	95	105
410-96030-2	MW-22	106	99	95	104
410-96030-3	RW-1	103	100	95	104
410-96030-4	RW-3	105	100	96	104
LCS 410-292931/4	Lab Control Sample	103	99	98	105
LCSD 410-292931/5	Lab Control Sample Dup	104	100	98	105
MB 410-292931/7	Method Blank	104	99	96	106

Surrogate Legend
 DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-96030-1	MW-21	102
410-96030-2	MW-22	101
410-96030-3	RW-1	102
410-96030-4	RW-3	102
LCS 410-292922/5	Lab Control Sample	95
LCSD 410-292922/6	Lab Control Sample Dup	94
MB 410-292922/4	Method Blank	102

Surrogate Legend
 TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-96030-1	MW-21	123
410-96030-2	MW-22	119
410-96030-3	RW-1	93
410-96030-4	RW-3	96
LCS 410-291377/2-A	Lab Control Sample	131
LCSD 410-291377/3-A	Lab Control Sample Dup	121
MB 410-291377/1-A	Method Blank	122

Surrogate Legend
 OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Styrene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Toluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/06/22 13:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/06/22 13:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Chloroform	ND		0.50	0.090	ug/L			09/06/22 13:14	1
Benzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromomethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Chloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/06/22 13:14	1
Bromoform	ND		1.0	0.30	ug/L			09/06/22 13:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/06/22 13:14	1
Trichloroethene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/06/22 13:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-292931/7

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Bromobenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Dibromomethane	ND		0.50	0.080	ug/L			09/06/22 13:14	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/06/22 13:14	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
Naphthalene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/06/22 13:14	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/06/22 13:14	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/06/22 13:14	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/06/22 13:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/06/22 13:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/06/22 13:14	1
Dibromofluoromethane (Surr)	99		80 - 120		09/06/22 13:14	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/06/22 13:14	1
Toluene-d8 (Surr)	106		80 - 120		09/06/22 13:14	1

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.07		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	6.00		ug/L		120	61 - 129
Ethylbenzene	5.00	5.57		ug/L		111	80 - 120
Styrene	5.00	5.67		ug/L		113	80 - 120
1,4-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromoethane	5.00	6.06	*+	ug/L		121	80 - 120
1,1-Dichloropropene	5.00	5.08		ug/L		102	74 - 120
1,2-Dichloroethane	5.00	5.41		ug/L		108	69 - 122
1,2,3-Trichlorobenzene	5.00	5.42		ug/L		108	68 - 125
1,2,3-Trichloropropane	5.00	6.18		ug/L		124	80 - 125
Toluene	5.00	5.64		ug/L		113	80 - 120
Chlorobenzene	5.00	5.71		ug/L		114	80 - 120
1,2,4-Trimethylbenzene	5.00	5.53		ug/L		111	80 - 120
1,2,4-Trichlorobenzene	5.00	5.45		ug/L		109	68 - 122
Dibromochloromethane	5.00	5.83		ug/L		117	64 - 138
Xylenes, Total	15.0	16.9		ug/L		113	80 - 120
Tetrachloroethene	5.00	5.59		ug/L		112	80 - 120
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	80 - 122
Methyl tertiary butyl ether	5.00	5.23		ug/L		105	69 - 120
1,3,5-Trimethylbenzene	5.00	5.44		ug/L		109	80 - 120
1,3-Dichlorobenzene	5.00	5.56		ug/L		111	80 - 120
1,3-Dichloropropane	5.00	5.97		ug/L		119	80 - 120
Chloroform	5.00	5.17		ug/L		103	80 - 120
Benzene	5.00	5.02		ug/L		100	80 - 120
1,1,1-Trichloroethane	5.00	5.07		ug/L		101	78 - 126
Bromomethane	5.00	4.81		ug/L		96	60 - 136
Chloromethane	5.00	4.74		ug/L		95	56 - 124
Chloroethane	5.00	4.79		ug/L		96	63 - 120
2,2-Dichloropropane	5.00	5.14		ug/L		103	61 - 141
Vinyl chloride	5.00	4.32		ug/L		86	60 - 125
Methylene Chloride	5.00	5.14		ug/L		103	80 - 120
Carbon disulfide	5.00	5.42		ug/L		108	67 - 130
Bromoform	5.00	5.90		ug/L		118	49 - 144
Bromodichloromethane	5.00	5.20		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	5.03		ug/L		101	74 - 120
2-Chlorotoluene	5.00	5.61		ug/L		112	80 - 120
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	4.67		ug/L		93	62 - 136
4-Chlorotoluene	5.00	5.72		ug/L		114	80 - 120
Dichlorodifluoromethane	5.00	4.35		ug/L		87	43 - 123
1,2-Dichloropropane	5.00	5.13		ug/L		103	80 - 120
1,1,2-Trichloroethane	5.00	5.90		ug/L		118	80 - 120
Acrylonitrile	25.0	25.0		ug/L		100	64 - 139
Trichloroethene	5.00	4.97		ug/L		99	80 - 120
1,1,1,2-Tetrachloroethane	5.00	6.03		ug/L		121	75 - 123
1,2-Dichlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	6.33		ug/L		127	56 - 148
Bromobenzene	5.00	5.96		ug/L		119	80 - 120
Bromochloromethane	5.00	5.27		ug/L		105	80 - 120
Isopropylbenzene	5.00	5.59		ug/L		112	80 - 120
Dibromomethane	5.00	5.33		ug/L		107	80 - 122
di-Isopropyl ether	5.00	5.03		ug/L		101	58 - 131
Ethyl t-butyl ether	5.00	5.02		ug/L		100	57 - 126
Hexachlorobutadiene	5.00	4.34		ug/L		87	72 - 132
Naphthalene	5.00	5.64		ug/L		113	64 - 122
n-Butylbenzene	5.00	5.17		ug/L		103	74 - 123
N-Propylbenzene	5.00	5.52		ug/L		110	74 - 122
p-Isopropyltoluene	5.00	5.43		ug/L		109	80 - 120
sec-Butylbenzene	5.00	5.43		ug/L		109	80 - 120
t-Amyl methyl ether	5.00	5.18		ug/L		104	65 - 125
t-Butyl alcohol	50.0	55.3		ug/L		111	62 - 138
tert-Butylbenzene	5.00	5.78		ug/L		116	79 - 120
trans-1,4-Dichloro-2-butene	25.0	21.1		ug/L		84	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-292931/4

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,1,1,2-Tetrachloroethane	5.00	5.65		ug/L		113	71 - 134	3	30
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.78		ug/L		116	61 - 129	4	30
Ethylbenzene	5.00	5.52		ug/L		110	80 - 120	1	30
Styrene	5.00	5.49		ug/L		110	80 - 120	3	30
1,4-Dichlorobenzene	5.00	5.57		ug/L		111	80 - 120	2	30
1,2-Dibromoethane	5.00	5.83		ug/L		117	80 - 120	4	30
1,1-Dichloropropene	5.00	5.03		ug/L		101	74 - 120	1	30
1,2-Dichloroethane	5.00	5.46		ug/L		109	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	5.13		ug/L		103	68 - 125	6	30
1,2,3-Trichloropropane	5.00	6.03		ug/L		121	80 - 125	3	30
Toluene	5.00	5.48		ug/L		110	80 - 120	3	30
Chlorobenzene	5.00	5.57		ug/L		111	80 - 120	3	30
1,2,4-Trimethylbenzene	5.00	5.40		ug/L		108	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	5.16		ug/L		103	68 - 122	5	30
Dibromochloromethane	5.00	5.75		ug/L		115	64 - 138	1	30
Xylenes, Total	15.0	16.6		ug/L		111	80 - 120	2	30
Tetrachloroethene	5.00	5.48		ug/L		110	80 - 120	2	30
cis-1,2-Dichloroethene	5.00	5.16		ug/L		103	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122	1	30
Methyl tertiary butyl ether	5.00	5.22		ug/L		104	69 - 120	0	30
1,3,5-Trimethylbenzene	5.00	5.35		ug/L		107	80 - 120	2	30
1,3-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30
1,3-Dichloropropane	5.00	5.89		ug/L		118	80 - 120	1	30
Chloroform	5.00	5.11		ug/L		102	80 - 120	1	30
Benzene	5.00	5.01		ug/L		100	80 - 120	0	30
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	78 - 126	1	30
Bromomethane	5.00	4.76		ug/L		95	60 - 136	1	30
Chloromethane	5.00	4.59		ug/L		92	56 - 124	3	30
Chloroethane	5.00	4.81		ug/L		96	63 - 120	0	30
2,2-Dichloropropane	5.00	5.07		ug/L		101	61 - 141	1	30
Vinyl chloride	5.00	4.43		ug/L		89	60 - 125	3	30
Methylene Chloride	5.00	5.05		ug/L		101	80 - 120	2	30
Carbon disulfide	5.00	5.35		ug/L		107	67 - 130	1	30
Bromoform	5.00	5.81		ug/L		116	49 - 144	2	30
Bromodichloromethane	5.00	5.13		ug/L		103	73 - 124	1	30
1,1-Dichloroethane	5.00	5.01		ug/L		100	74 - 120	0	30
2-Chlorotoluene	5.00	5.59		ug/L		112	80 - 120	0	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-292931/5

Matrix: Water

Analysis Batch: 292931

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	5.03		ug/L		101	80 - 131	0	30
Trichlorofluoromethane	5.00	4.69		ug/L		94	62 - 136	0	30
4-Chlorotoluene	5.00	5.67		ug/L		113	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.23		ug/L		85	43 - 123	3	30
1,2-Dichloropropane	5.00	4.98		ug/L		100	80 - 120	3	30
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120	5	30
Acrylonitrile	25.0	26.4		ug/L		105	64 - 139	5	30
Trichloroethene	5.00	4.94		ug/L		99	80 - 120	1	30
1,1,1,2-Tetrachloroethane	5.00	5.94		ug/L		119	75 - 123	2	30
1,2-Dichlorobenzene	5.00	5.58		ug/L		112	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	5.84		ug/L		117	56 - 148	8	30
Bromobenzene	5.00	5.83		ug/L		117	80 - 120	2	30
Bromochloromethane	5.00	5.28		ug/L		106	80 - 120	0	30
Isopropylbenzene	5.00	5.50		ug/L		110	80 - 120	2	30
Dibromomethane	5.00	5.16		ug/L		103	80 - 122	3	30
di-Isopropyl ether	5.00	4.94		ug/L		99	58 - 131	2	30
Ethyl t-butyl ether	5.00	4.94		ug/L		99	57 - 126	2	30
Hexachlorobutadiene	5.00	3.98		ug/L		80	72 - 132	9	30
Naphthalene	5.00	5.31		ug/L		106	64 - 122	6	30
n-Butylbenzene	5.00	5.03		ug/L		101	74 - 123	3	30
N-Propylbenzene	5.00	5.38		ug/L		108	74 - 122	3	30
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120	2	30
sec-Butylbenzene	5.00	5.33		ug/L		107	80 - 120	2	30
t-Amyl methyl ether	5.00	5.12		ug/L		102	65 - 125	1	30
t-Butyl alcohol	50.0	49.8		ug/L		100	62 - 138	11	30
tert-Butylbenzene	5.00	5.41		ug/L		108	79 - 120	7	30
trans-1,4-Dichloro-2-butene	25.0	23.1		ug/L		92	10 - 172	9	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-292922/4

Matrix: Water

Analysis Batch: 292922

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/06/22 12:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/06/22 12:10	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 410-292922/5

Matrix: Water

Analysis Batch: 292922

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1.10	0.957		mg/L		87	70 - 123
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
a,a,a-Trifluorotoluene (fid) (1C)	95		63 - 135				

Lab Sample ID: LCSD 410-292922/6

Matrix: Water

Analysis Batch: 292922

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.950		mg/L		86	70 - 123	1	30
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
a,a,a-Trifluorotoluene (fid) (1C)	94		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-291377/1-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 291377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		08/31/22 07:31	09/01/22 02:43	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac			
o-terphenyl (Surr)	122		37 - 153	08/31/22 07:31	09/01/22 02:43	1			

Lab Sample ID: LCS 410-291377/2-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	2650	2380		ug/L		90	78 - 133
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
o-terphenyl (Surr)	131		37 - 153				

Lab Sample ID: LCSD 410-291377/3-A

Matrix: Water

Analysis Batch: 291732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 291377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2650	2260		ug/L		85	78 - 133	5	20
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
o-terphenyl (Surr)	121		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

GC/MS VOA

Analysis Batch: 292931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96030-1	MW-21	Total/NA	Water	8260C LL	
410-96030-2	MW-22	Total/NA	Water	8260C LL	
410-96030-3	RW-1	Total/NA	Water	8260C LL	
410-96030-4	RW-3	Total/NA	Water	8260C LL	
MB 410-292931/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-292931/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-292931/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 292922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96030-1	MW-21	Total/NA	Water	8015D	
410-96030-2	MW-22	Total/NA	Water	8015D	
410-96030-3	RW-1	Total/NA	Water	8015D	
410-96030-4	RW-3	Total/NA	Water	8015D	
MB 410-292922/4	Method Blank	Total/NA	Water	8015D	
LCS 410-292922/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-292922/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 291377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96030-1	MW-21	Total/NA	Water	3511	
410-96030-2	MW-22	Total/NA	Water	3511	
410-96030-3	RW-1	Total/NA	Water	3511	
410-96030-4	RW-3	Total/NA	Water	3511	
MB 410-291377/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 291732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96030-1	MW-21	Total/NA	Water	8015D	291377
410-96030-2	MW-22	Total/NA	Water	8015D	291377
410-96030-3	RW-1	Total/NA	Water	8015D	291377
410-96030-4	RW-3	Total/NA	Water	8015D	291377
MB 410-291377/1-A	Method Blank	Total/NA	Water	8015D	291377
LCS 410-291377/2-A	Lab Control Sample	Total/NA	Water	8015D	291377
LCSD 410-291377/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	291377

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Client Sample ID: MW-21

Lab Sample ID: 410-96030-1

Date Collected: 08/26/22 09:30

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 17:39
Total/NA	Analysis	8015D		1	292922	MXX6	ELLE	09/06/22 15:09
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 07:05

Client Sample ID: MW-22

Lab Sample ID: 410-96030-2

Date Collected: 08/26/22 10:00

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 18:00
Total/NA	Analysis	8015D		1	292922	MXX6	ELLE	09/06/22 15:35
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 07:28

Client Sample ID: RW-1

Lab Sample ID: 410-96030-3

Date Collected: 08/26/22 10:55

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 18:20
Total/NA	Analysis	8015D		1	292922	MXX6	ELLE	09/06/22 16:00
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 07:52

Client Sample ID: RW-3

Lab Sample ID: 410-96030-4

Date Collected: 08/26/22 12:00

Matrix: Water

Date Received: 08/29/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	292931	DVW2	ELLE	09/06/22 18:41
Total/NA	Analysis	8015D		1	292922	MXX6	ELLE	09/06/22 16:26
Total/NA	Prep	3511			291377	UMAD	ELLE	08/31/22 07:31
Total/NA	Analysis	8015D		1	291732	KP5X	ELLE	09/01/22 08:15

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96030-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96030-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96030-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-96030-1	MW-21	Water	08/26/22 09:30	08/29/22 17:30
410-96030-2	MW-22	Water	08/26/22 10:00	08/29/22 17:30
410-96030-3	RW-1	Water	08/26/22 10:55	08/29/22 17:30
410-96030-4	RW-3	Water	08/26/22 12:00	08/29/22 17:30

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Lancaster Laboratories
Environmental

Environmental Analy



410-96030 Chain of Custody

Page 1 of 1

f Custody

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested						For Lab Use Only		
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Other:			Preservation Codes						SF #: _____		
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206					H H H						SCR #: _____		
Sampler: Jeff Plummer		PWSID #:					Full Suite VOCs plus oxygenates and Naphthalene (8260)						Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other		
Phone #: 800-220-3606 x 3726		Quote #:					TPH-GRO (8015B)						Remarks		
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD								TPH-DRO (8015B)							
Sample Identification		Collection		Grab	Composite	Soil	Water	Other:	Total # of Containers	Full Suite VOCs plus oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	TPH-DRO (8015B)			
		Date	Time												
MW-21		8/26/22	0930	X			X		7	X	X	X	EQEDD file name:		
MW-22			1000	X			X		7	X	X	X	High's Store No 141-		
RW-1			1055	X			X		7	X	X	X	lab report #.17962.		
RW-3		8/26/22	1200	X			X		7	X	X	X	EQEDD.zip		
													Send invoice to:		
													ges-invoices@		
													gesonline.com &		
													include PO #		
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Jeff Plummer</i>		Date: 8/29/22		Time: 0800		Received by: <i>Denise Woodring</i>		Date: 8-29-22		Time: 0800	
(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <i>Denise Woodring</i>		Date: 8-29-22		Time: 1455		Received by: <i>Jeff</i>		Date: 8/29/22		Time: 14:58	
Date results are needed:				Relinquished by: <i>Jeff</i>		Date: 8/29/22		Time: 17:29		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
E-mail Address: <u>midatlantic@gesonline.com & ges@equisonline.com</u>				Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
Phone: _____				Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
Data Package Options (please check if required)				Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
Type I (Validation/non-CLP) <input type="checkbox"/>		MA MCP <input type="checkbox"/>		Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: 8/29/22		Time: 1730	
Type III (Reduced non-CLP) <input type="checkbox"/>		CT RCP <input type="checkbox"/>		Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
Type VI (Raw Data Only) <input type="checkbox"/>		TX TRRP-13 <input type="checkbox"/>		Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				UPS _____ FedEx _____ Other _____		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				Temperature upon receipt <u>1.1</u> °C		Date: _____		Time: _____		Received by: <i>[Signature]</i>		Date: _____		Time: _____	

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7045 0614
8/29/22

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-96030-1

Login Number: 96030

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Renner, Melissa

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-96347-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:
9/9/2022 12:27:57 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter".

Amek Carter
Project Manager
9/9/2022 12:27:57 AM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	27
Lab Chronicle	28
Certification Summary	29
Method Summary	31
Sample Summary	32
Chain of Custody	33
Receipt Checklists	34

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96347-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96347-1

Job ID: 410-96347-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-96347-1

Receipt

The samples were received on 8/31/2022 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-293309 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-15 (410-96347-1), MW-18A (410-96347-2), MW-18B (410-96347-3) and MW-5 (410-96347-4). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-15

Lab Sample ID: 410-96347-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	1.1		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-18A

Lab Sample ID: 410-96347-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.39	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Chloroform	0.19	J	0.50	0.090	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-18B

Lab Sample ID: 410-96347-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.14	J	0.50	0.070	ug/L	1		8260C LL	Total/NA
Toluene	0.15	J	0.50	0.080	ug/L	1		8260C LL	Total/NA
Xylenes, Total	0.16	J	1.0	0.070	ug/L	1		8260C LL	Total/NA
Benzene	0.71		0.50	0.10	ug/L	1		8260C LL	Total/NA
di-Isopropyl ether	1.8		0.50	0.10	ug/L	1		8260C LL	Total/NA
t-Amyl methyl ether	5.3		0.50	0.20	ug/L	1		8260C LL	Total/NA
t-Butyl alcohol	210		10	3.0	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether - DL	260		25	4.0	ug/L	50		8260C LL	Total/NA
GRO (1C)	0.14		0.050	0.023	mg/L	1		8015D	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 410-96347-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dibromoethane	0.59	J	2.5	0.40	ug/L	5		8260C LL	Total/NA
1,2-Dichloroethane	1.4	J	2.5	0.35	ug/L	5		8260C LL	Total/NA
Toluene	2.0	J	2.5	0.40	ug/L	5		8260C LL	Total/NA
Xylenes, Total	240		5.0	0.35	ug/L	5		8260C LL	Total/NA
Methyl tertiary butyl ether	2.9		2.5	0.40	ug/L	5		8260C LL	Total/NA
1,3,5-Trimethylbenzene	76		2.5	0.40	ug/L	5		8260C LL	Total/NA
Benzene	8.2		2.5	0.50	ug/L	5		8260C LL	Total/NA
Isopropylbenzene	29		2.5	0.40	ug/L	5		8260C LL	Total/NA
Naphthalene	100		2.5	0.40	ug/L	5		8260C LL	Total/NA
n-Butylbenzene	8.2		2.5	0.40	ug/L	5		8260C LL	Total/NA
N-Propylbenzene	47		2.5	0.50	ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	11		2.5	0.40	ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	6.8		2.5	0.50	ug/L	5		8260C LL	Total/NA
t-Butyl alcohol	280		50	15	ug/L	5		8260C LL	Total/NA
Ethylbenzene - DL	200		25	4.0	ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	410		25	4.0	ug/L	50		8260C LL	Total/NA
GRO (1C)	4.1		0.050	0.023	mg/L	1		8015D	Total/NA
DRO (C10-C28)	9000		110	57	ug/L	1		8015D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-15

Lab Sample ID: 410-96347-1

Date Collected: 08/29/22 10:35

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 18:10	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 18:10	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 18:10	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 18:10	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Methyl tertiary butyl ether	1.1		0.50	0.080	ug/L			09/07/22 18:10	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Chloroform	ND		0.50	0.090	ug/L			09/07/22 18:10	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 18:10	1
Bromoform	ND		1.0	0.30	ug/L			09/07/22 18:10	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/07/22 18:10	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 18:10	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:10	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 18:10	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-15

Lab Sample ID: 410-96347-1

Date Collected: 08/29/22 10:35

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 18:10	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 18:10	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 18:10	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/07/22 18:10	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 18:10	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 18:10	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/07/22 18:10	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:10	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/07/22 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		09/07/22 18:10	1
Dibromofluoromethane (Surr)	101		80 - 120		09/07/22 18:10	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/07/22 18:10	1
Toluene-d8 (Surr)	102		80 - 120		09/07/22 18:10	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/07/22 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/07/22 17:01	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/03/22 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	97		37 - 153	09/02/22 07:49	09/03/22 00:36	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-18A

Lab Sample ID: 410-96347-2

Date Collected: 08/29/22 11:40

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 18:30	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 18:30	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 18:30	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 18:30	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Methyl tertiary butyl ether	0.39	J	0.50	0.080	ug/L			09/07/22 18:30	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Chloroform	0.19	J	0.50	0.090	ug/L			09/07/22 18:30	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 18:30	1
Bromoform	ND		1.0	0.30	ug/L			09/07/22 18:30	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/07/22 18:30	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 18:30	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:30	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 18:30	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-18A

Lab Sample ID: 410-96347-2

Date Collected: 08/29/22 11:40

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 18:30	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 18:30	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 18:30	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/07/22 18:30	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 18:30	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 18:30	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/07/22 18:30	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:30	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/07/22 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		09/07/22 18:30	1
Dibromofluoromethane (Surr)	101		80 - 120		09/07/22 18:30	1
4-Bromofluorobenzene (Surr)	95		80 - 120		09/07/22 18:30	1
Toluene-d8 (Surr)	102		80 - 120		09/07/22 18:30	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/07/22 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/07/22 17:27	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/03/22 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	97		37 - 153	09/02/22 07:49	09/03/22 01:00	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-18B

Lab Sample ID: 410-96347-3

Date Collected: 08/29/22 12:45

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 18:51	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 18:51	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 18:51	1
1,2-Dichloroethane	0.14	J	0.50	0.070	ug/L			09/07/22 18:51	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 18:51	1
Toluene	0.15	J	0.50	0.080	ug/L			09/07/22 18:51	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Xylenes, Total	0.16	J	1.0	0.070	ug/L			09/07/22 18:51	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 18:51	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 18:51	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Chloroform	ND		0.50	0.090	ug/L			09/07/22 18:51	1
Benzene	0.71		0.50	0.10	ug/L			09/07/22 18:51	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 18:51	1
Bromoform	ND		1.0	0.30	ug/L			09/07/22 18:51	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/07/22 18:51	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 18:51	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 18:51	1
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-18B

Lab Sample ID: 410-96347-3

Date Collected: 08/29/22 12:45

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 18:51	1
di-Isopropyl ether	1.8		0.50	0.10	ug/L			09/07/22 18:51	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 18:51	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/07/22 18:51	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 18:51	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 18:51	1
t-Amyl methyl ether	5.3		0.50	0.20	ug/L			09/07/22 18:51	1
t-Butyl alcohol	210		10	3.0	ug/L			09/07/22 18:51	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 18:51	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/07/22 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/07/22 18:51	1
Dibromofluoromethane (Surr)	100		80 - 120		09/07/22 18:51	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/07/22 18:51	1
Toluene-d8 (Surr)	103		80 - 120		09/07/22 18:51	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	260		25	4.0	ug/L			09/08/22 18:11	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/08/22 18:11	50
Dibromofluoromethane (Surr)	100		80 - 120		09/08/22 18:11	50
4-Bromofluorobenzene (Surr)	96		80 - 120		09/08/22 18:11	50
Toluene-d8 (Surr)	102		80 - 120		09/08/22 18:11	50

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	0.14		0.050	0.023	mg/L			09/07/22 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/07/22 17:52	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	58	ug/L		09/02/22 07:49	09/03/22 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	94		37 - 153		09/02/22 07:49	09/03/22 01:24

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-5

Lab Sample ID: 410-96347-4

Date Collected: 08/29/22 13:55

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5	0.35	ug/L			09/07/22 19:31	5
cis-1,3-Dichloropropene	ND		2.5	0.50	ug/L			09/07/22 19:31	5
trans-1,3-Dichloropropene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Styrene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
1,4-Dichlorobenzene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
1,2-Dibromoethane	0.59	J	2.5	0.40	ug/L			09/07/22 19:31	5
1,1-Dichloropropene	ND		2.5	0.50	ug/L			09/07/22 19:31	5
1,2-Dichloroethane	1.4	J	2.5	0.35	ug/L			09/07/22 19:31	5
1,2,3-Trichlorobenzene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
1,2,3-Trichloropropane	ND		5.0	0.50	ug/L			09/07/22 19:31	5
Toluene	2.0	J	2.5	0.40	ug/L			09/07/22 19:31	5
Chlorobenzene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
1,2,4-Trichlorobenzene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
Dibromochloromethane	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Xylenes, Total	240		5.0	0.35	ug/L			09/07/22 19:31	5
Tetrachloroethene	ND		2.5	1.0	ug/L			09/07/22 19:31	5
cis-1,2-Dichloroethene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Methyl tertiary butyl ether	2.9		2.5	0.40	ug/L			09/07/22 19:31	5
1,3,5-Trimethylbenzene	76		2.5	0.40	ug/L			09/07/22 19:31	5
1,3-Dichlorobenzene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
1,3-Dichloropropane	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Chloroform	ND		2.5	0.45	ug/L			09/07/22 19:31	5
Benzene	8.2		2.5	0.50	ug/L			09/07/22 19:31	5
1,1,1-Trichloroethane	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Bromomethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Chloromethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Chloroethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
2,2-Dichloropropane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Vinyl chloride	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Methylene Chloride	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Carbon disulfide	ND		5.0	0.50	ug/L			09/07/22 19:31	5
Bromoform	ND		5.0	1.5	ug/L			09/07/22 19:31	5
Bromodichloromethane	ND		2.5	0.40	ug/L			09/07/22 19:31	5
1,1-Dichloroethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
2-Chlorotoluene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
1,1-Dichloroethene	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Trichlorofluoromethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
4-Chlorotoluene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Dichlorodifluoromethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
1,2-Dichloropropane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
1,1,2-Trichloroethane	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Acrylonitrile	ND	cn	25	2.0	ug/L			09/07/22 19:31	5
Trichloroethene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
1,1,2,2-Tetrachloroethane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
1,2-Dichlorobenzene	ND		2.5	0.35	ug/L			09/07/22 19:31	5
1,2-Dibromo-3-Chloropropane	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Bromobenzene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Bromochloromethane	ND		2.5	0.40	ug/L			09/07/22 19:31	5

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-5

Lab Sample ID: 410-96347-4

Date Collected: 08/29/22 13:55

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	29		2.5	0.40	ug/L			09/07/22 19:31	5
Dibromomethane	ND		2.5	0.40	ug/L			09/07/22 19:31	5
di-Isopropyl ether	ND		2.5	0.50	ug/L			09/07/22 19:31	5
Ethyl t-butyl ether	ND		2.5	0.40	ug/L			09/07/22 19:31	5
Hexachlorobutadiene	ND	cn	2.5	0.40	ug/L			09/07/22 19:31	5
Naphthalene	100		2.5	0.40	ug/L			09/07/22 19:31	5
n-Butylbenzene	8.2		2.5	0.40	ug/L			09/07/22 19:31	5
N-Propylbenzene	47		2.5	0.50	ug/L			09/07/22 19:31	5
p-Isopropyltoluene	11		2.5	0.40	ug/L			09/07/22 19:31	5
sec-Butylbenzene	6.8		2.5	0.50	ug/L			09/07/22 19:31	5
t-Amyl methyl ether	ND		2.5	1.0	ug/L			09/07/22 19:31	5
t-Butyl alcohol	280		50	15	ug/L			09/07/22 19:31	5
tert-Butylbenzene	ND		2.5	0.40	ug/L			09/07/22 19:31	5
trans-1,4-Dichloro-2-butene	ND		25	10	ug/L			09/07/22 19:31	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					09/07/22 19:31	5
Dibromofluoromethane (Surr)	100		80 - 120					09/07/22 19:31	5
4-Bromofluorobenzene (Surr)	103		80 - 120					09/07/22 19:31	5
Toluene-d8 (Surr)	101		80 - 120					09/07/22 19:31	5

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	200		25	4.0	ug/L			09/07/22 19:52	50
1,2,4-Trimethylbenzene	410		25	4.0	ug/L			09/07/22 19:52	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					09/07/22 19:52	50
Dibromofluoromethane (Surr)	99		80 - 120					09/07/22 19:52	50
4-Bromofluorobenzene (Surr)	96		80 - 120					09/07/22 19:52	50
Toluene-d8 (Surr)	101		80 - 120					09/07/22 19:52	50

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	4.1		0.050	0.023	mg/L			09/07/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	130		63 - 135					09/07/22 18:18	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	9000		110	57	ug/L		09/02/22 07:49	09/03/22 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	98		37 - 153				09/02/22 07:49	09/03/22 01:47	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-96347-1	MW-15	105	101	97	102
410-96347-2	MW-18A	105	101	95	102
410-96347-3	MW-18B	102	100	96	103
410-96347-3 - DL	MW-18B	103	100	96	102
410-96347-4	MW-5	103	100	103	101
410-96347-4 - DL	MW-5	104	99	96	101
LCS 410-293309/4	Lab Control Sample	105	99	99	104
LCS 410-293894/4	Lab Control Sample	105	101	98	103
LCSD 410-293309/5	Lab Control Sample Dup	102	99	97	103
LCSD 410-293894/5	Lab Control Sample Dup	104	100	98	103
MB 410-293309/7	Method Blank	101	99	97	104
MB 410-293894/7	Method Blank	103	101	99	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-96347-1	MW-15	102
410-96347-2	MW-18A	102
410-96347-3	MW-18B	101
410-96347-4	MW-5	130
LCS 410-293422/5	Lab Control Sample	93
LCSD 410-293422/6	Lab Control Sample Dup	92
MB 410-293422/4	Method Blank	102

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-96347-1	MW-15	97
410-96347-2	MW-18A	97
410-96347-3	MW-18B	94
410-96347-4	MW-5	98
LCS 410-292283/2-A	Lab Control Sample	125
LCSD 410-292283/3-A	Lab Control Sample Dup	124
MB 410-292283/1-A	Method Blank	97

Surrogate Legend

OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-293309/7

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 13:25	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 13:25	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 13:25	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 13:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 13:25	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 13:25	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 13:25	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 13:25	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 13:25	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 13:25	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 13:25	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Chloroform	ND		0.50	0.090	ug/L			09/07/22 13:25	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 13:25	1
Bromoform	ND		1.0	0.30	ug/L			09/07/22 13:25	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/07/22 13:25	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 13:25	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293309/7

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 13:25	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 13:25	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 13:25	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 13:25	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/07/22 13:25	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 13:25	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/07/22 13:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/07/22 13:25	1
Dibromofluoromethane (Surr)	99		80 - 120		09/07/22 13:25	1
4-Bromofluorobenzene (Surr)	97		80 - 120		09/07/22 13:25	1
Toluene-d8 (Surr)	104		80 - 120		09/07/22 13:25	1

Lab Sample ID: LCS 410-293309/4

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.13		ug/L		103	67 - 121
trans-1,3-Dichloropropene	5.00	5.77		ug/L		115	61 - 129
Ethylbenzene	5.00	5.58		ug/L		112	80 - 120
Styrene	5.00	5.59		ug/L		112	80 - 120
1,4-Dichlorobenzene	5.00	5.53		ug/L		111	80 - 120
1,2-Dibromoethane	5.00	6.01		ug/L		120	80 - 120
1,1-Dichloropropene	5.00	5.28		ug/L		106	74 - 120
1,2-Dichloroethane	5.00	5.50		ug/L		110	69 - 122
1,2,3-Trichlorobenzene	5.00	5.32		ug/L		106	68 - 125
1,2,3-Trichloropropane	5.00	6.00		ug/L		120	80 - 125
Toluene	5.00	5.57		ug/L		111	80 - 120
Chlorobenzene	5.00	5.67		ug/L		113	80 - 120
1,2,4-Trimethylbenzene	5.00	5.43		ug/L		109	80 - 120
1,2,4-Trichlorobenzene	5.00	5.30		ug/L		106	68 - 122
Dibromochloromethane	5.00	5.83		ug/L		117	64 - 138
Xylenes, Total	15.0	17.1		ug/L		114	80 - 120
Tetrachloroethene	5.00	5.67		ug/L		113	80 - 120
cis-1,2-Dichloroethene	5.00	5.40		ug/L		108	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293309/4

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122
Methyl tertiary butyl ether	5.00	5.31		ug/L		106	69 - 120
1,3,5-Trimethylbenzene	5.00	5.41		ug/L		108	80 - 120
1,3-Dichlorobenzene	5.00	5.48		ug/L		110	80 - 120
1,3-Dichloropropane	5.00	5.85		ug/L		117	80 - 120
Chloroform	5.00	5.32		ug/L		106	80 - 120
Benzene	5.00	5.19		ug/L		104	80 - 120
1,1,1-Trichloroethane	5.00	5.31		ug/L		106	78 - 126
Bromomethane	5.00	5.00		ug/L		100	60 - 136
Chloromethane	5.00	4.94		ug/L		99	56 - 124
Chloroethane	5.00	5.10		ug/L		102	63 - 120
2,2-Dichloropropane	5.00	5.33		ug/L		107	61 - 141
Vinyl chloride	5.00	4.70		ug/L		94	60 - 125
Methylene Chloride	5.00	5.32		ug/L		106	80 - 120
Carbon disulfide	5.00	5.83		ug/L		117	67 - 130
Bromoform	5.00	5.83		ug/L		117	49 - 144
Bromodichloromethane	5.00	5.32		ug/L		106	73 - 124
1,1-Dichloroethane	5.00	5.23		ug/L		105	74 - 120
2-Chlorotoluene	5.00	5.60		ug/L		112	80 - 120
1,1-Dichloroethene	5.00	5.29		ug/L		106	80 - 131
Trichlorofluoromethane	5.00	4.82		ug/L		96	62 - 136
4-Chlorotoluene	5.00	5.67		ug/L		113	80 - 120
Dichlorodifluoromethane	5.00	4.38		ug/L		88	43 - 123
1,2-Dichloropropane	5.00	5.25		ug/L		105	80 - 120
1,1,2-Trichloroethane	5.00	5.60		ug/L		112	80 - 120
Acrylonitrile	25.0	26.7		ug/L		107	64 - 139
Trichloroethene	5.00	5.16		ug/L		103	80 - 120
1,1,1,2-Tetrachloroethane	5.00	5.74		ug/L		115	75 - 123
1,2-Dichlorobenzene	5.00	5.50		ug/L		110	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.79		ug/L		116	56 - 148
Bromobenzene	5.00	5.75		ug/L		115	80 - 120
Bromochloromethane	5.00	5.40		ug/L		108	80 - 120
Isopropylbenzene	5.00	5.63		ug/L		113	80 - 120
Dibromomethane	5.00	5.27		ug/L		105	80 - 122
di-Isopropyl ether	5.00	5.09		ug/L		102	58 - 131
Ethyl t-butyl ether	5.00	5.10		ug/L		102	57 - 126
Hexachlorobutadiene	5.00	4.34		ug/L		87	72 - 132
Naphthalene	5.00	5.38		ug/L		108	64 - 122
n-Butylbenzene	5.00	5.21		ug/L		104	74 - 123
N-Propylbenzene	5.00	5.54		ug/L		111	74 - 122
p-Isopropyltoluene	5.00	5.46		ug/L		109	80 - 120
sec-Butylbenzene	5.00	5.44		ug/L		109	80 - 120
t-Amyl methyl ether	5.00	5.18		ug/L		104	65 - 125
t-Butyl alcohol	50.0	49.8		ug/L		100	62 - 138
tert-Butylbenzene	5.00	5.53		ug/L		111	79 - 120
trans-1,4-Dichloro-2-butene	25.0	16.0		ug/L		64	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293309/4

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: LCSD 410-293309/5

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.52		ug/L		110	71 - 134	2	30
cis-1,3-Dichloropropene	5.00	4.94		ug/L		99	67 - 121	4	30
trans-1,3-Dichloropropene	5.00	5.65		ug/L		113	61 - 129	2	30
Ethylbenzene	5.00	5.43		ug/L		109	80 - 120	3	30
Styrene	5.00	5.44		ug/L		109	80 - 120	3	30
1,4-Dichlorobenzene	5.00	5.35		ug/L		107	80 - 120	3	30
1,2-Dibromoethane	5.00	5.88		ug/L		118	80 - 120	2	30
1,1-Dichloropropene	5.00	5.07		ug/L		101	74 - 120	4	30
1,2-Dichloroethane	5.00	5.48		ug/L		110	69 - 122	0	30
1,2,3-Trichlorobenzene	5.00	5.10		ug/L		102	68 - 125	4	30
1,2,3-Trichloropropane	5.00	5.81		ug/L		116	80 - 125	3	30
Toluene	5.00	5.45		ug/L		109	80 - 120	2	30
Chlorobenzene	5.00	5.47		ug/L		109	80 - 120	4	30
1,2,4-Trimethylbenzene	5.00	5.26		ug/L		105	80 - 120	3	30
1,2,4-Trichlorobenzene	5.00	5.10		ug/L		102	68 - 122	4	30
Dibromochloromethane	5.00	5.71		ug/L		114	64 - 138	2	30
Xylenes, Total	15.0	16.4		ug/L		109	80 - 120	4	30
Tetrachloroethene	5.00	5.39		ug/L		108	80 - 120	5	30
cis-1,2-Dichloroethene	5.00	5.21		ug/L		104	80 - 122	4	30
trans-1,2-Dichloroethene	5.00	5.00		ug/L		100	80 - 122	5	30
Methyl tertiary butyl ether	5.00	5.24		ug/L		105	69 - 120	1	30
1,3,5-Trimethylbenzene	5.00	5.23		ug/L		105	80 - 120	3	30
1,3-Dichlorobenzene	5.00	5.28		ug/L		106	80 - 120	4	30
1,3-Dichloropropane	5.00	5.68		ug/L		114	80 - 120	3	30
Chloroform	5.00	5.18		ug/L		104	80 - 120	3	30
Benzene	5.00	5.06		ug/L		101	80 - 120	3	30
1,1,1-Trichloroethane	5.00	4.97		ug/L		99	78 - 126	7	30
Bromomethane	5.00	4.77		ug/L		95	60 - 136	5	30
Chloromethane	5.00	4.63		ug/L		93	56 - 124	7	30
Chloroethane	5.00	4.85		ug/L		97	63 - 120	5	30
2,2-Dichloropropane	5.00	5.15		ug/L		103	61 - 141	3	30
Vinyl chloride	5.00	4.51		ug/L		90	60 - 125	4	30
Methylene Chloride	5.00	5.12		ug/L		102	80 - 120	4	30
Carbon disulfide	5.00	5.44		ug/L		109	67 - 130	7	30
Bromoform	5.00	5.63		ug/L		113	49 - 144	3	30
Bromodichloromethane	5.00	5.18		ug/L		104	73 - 124	3	30
1,1-Dichloroethane	5.00	5.13		ug/L		103	74 - 120	2	30
2-Chlorotoluene	5.00	5.40		ug/L		108	80 - 120	4	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293309/5

Matrix: Water

Analysis Batch: 293309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131	5	30
Trichlorofluoromethane	5.00	4.47		ug/L		89	62 - 136	7	30
4-Chlorotoluene	5.00	5.58		ug/L		112	80 - 120	2	30
Dichlorodifluoromethane	5.00	4.07		ug/L		81	43 - 123	7	30
1,2-Dichloropropane	5.00	5.16		ug/L		103	80 - 120	2	30
1,1,2-Trichloroethane	5.00	5.64		ug/L		113	80 - 120	1	30
Acrylonitrile	25.0	26.0		ug/L		104	64 - 139	3	30
Trichloroethene	5.00	5.00		ug/L		100	80 - 120	3	30
1,1,1,2-Tetrachloroethane	5.00	5.73		ug/L		115	75 - 123	0	30
1,2-Dichlorobenzene	5.00	5.38		ug/L		108	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	5.75		ug/L		115	56 - 148	1	30
Bromobenzene	5.00	5.64		ug/L		113	80 - 120	2	30
Bromochloromethane	5.00	5.27		ug/L		105	80 - 120	2	30
Isopropylbenzene	5.00	5.45		ug/L		109	80 - 120	3	30
Dibromomethane	5.00	5.23		ug/L		105	80 - 122	1	30
di-Isopropyl ether	5.00	4.97		ug/L		99	58 - 131	2	30
Ethyl t-butyl ether	5.00	4.94		ug/L		99	57 - 126	3	30
Hexachlorobutadiene	5.00	4.13		ug/L		83	72 - 132	5	30
Naphthalene	5.00	5.22		ug/L		104	64 - 122	3	30
n-Butylbenzene	5.00	4.92		ug/L		98	74 - 123	6	30
N-Propylbenzene	5.00	5.24		ug/L		105	74 - 122	5	30
p-Isopropyltoluene	5.00	5.22		ug/L		104	80 - 120	5	30
sec-Butylbenzene	5.00	5.16		ug/L		103	80 - 120	5	30
t-Amyl methyl ether	5.00	5.06		ug/L		101	65 - 125	2	30
t-Butyl alcohol	50.0	44.3		ug/L		89	62 - 138	12	30
tert-Butylbenzene	5.00	5.21		ug/L		104	79 - 120	6	30
trans-1,4-Dichloro-2-butene	25.0	15.4		ug/L		62	10 - 172	4	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 410-293894/7

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/08/22 14:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Styrene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/08/22 14:27	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293894/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293894

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/08/22 14:27	1
Toluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/08/22 14:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/08/22 14:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Chloroform	ND		0.50	0.090	ug/L			09/08/22 14:27	1
Benzene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Bromomethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Chloromethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Chloroethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/08/22 14:27	1
Bromoform	ND		1.0	0.30	ug/L			09/08/22 14:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/08/22 14:27	1
Trichloroethene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Bromobenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Dibromomethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Naphthalene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293894/7

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Propylbenzene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/08/22 14:27	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/08/22 14:27	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/08/22 14:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/08/22 14:27	1
Dibromofluoromethane (Surr)	101		80 - 120		09/08/22 14:27	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/08/22 14:27	1
Toluene-d8 (Surr)	104		80 - 120		09/08/22 14:27	1

Lab Sample ID: LCS 410-293894/4

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.43		ug/L		109	71 - 134
cis-1,3-Dichloropropene	5.00	5.16		ug/L		103	67 - 121
trans-1,3-Dichloropropene	5.00	5.75		ug/L		115	61 - 129
Ethylbenzene	5.00	5.32		ug/L		106	80 - 120
Styrene	5.00	5.37		ug/L		107	80 - 120
1,4-Dichlorobenzene	5.00	5.34		ug/L		107	80 - 120
1,2-Dibromoethane	5.00	5.77		ug/L		115	80 - 120
1,1-Dichloropropene	5.00	5.22		ug/L		104	74 - 120
1,2-Dichloroethane	5.00	5.65		ug/L		113	69 - 122
1,2,3-Trichlorobenzene	5.00	4.94		ug/L		99	68 - 125
1,2,3-Trichloropropane	5.00	5.61		ug/L		112	80 - 125
Toluene	5.00	5.29		ug/L		106	80 - 120
Chlorobenzene	5.00	5.38		ug/L		108	80 - 120
1,2,4-Trimethylbenzene	5.00	5.19		ug/L		104	80 - 120
1,2,4-Trichlorobenzene	5.00	5.08		ug/L		102	68 - 122
Dibromochloromethane	5.00	5.65		ug/L		113	64 - 138
Xylenes, Total	15.0	16.1		ug/L		107	80 - 120
Tetrachloroethene	5.00	5.42		ug/L		108	80 - 120
cis-1,2-Dichloroethene	5.00	5.24		ug/L		105	80 - 122
trans-1,2-Dichloroethene	5.00	5.09		ug/L		102	80 - 122
Methyl tertiary butyl ether	5.00	5.34		ug/L		107	69 - 120
1,3,5-Trimethylbenzene	5.00	5.19		ug/L		104	80 - 120
1,3-Dichlorobenzene	5.00	5.26		ug/L		105	80 - 120
1,3-Dichloropropane	5.00	5.69		ug/L		114	80 - 120
Chloroform	5.00	5.26		ug/L		105	80 - 120
Benzene	5.00	5.13		ug/L		103	80 - 120
1,1,1-Trichloroethane	5.00	5.08		ug/L		102	78 - 126
Bromomethane	5.00	4.83		ug/L		97	60 - 136
Chloromethane	5.00	5.03		ug/L		101	56 - 124

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293894/4

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloroethane	5.00	4.98		ug/L		100	63 - 120
2,2-Dichloropropane	5.00	5.39		ug/L		108	61 - 141
Vinyl chloride	5.00	4.65		ug/L		93	60 - 125
Methylene Chloride	5.00	5.32		ug/L		106	80 - 120
Carbon disulfide	5.00	5.65		ug/L		113	67 - 130
Bromoform	5.00	5.67		ug/L		113	49 - 144
Bromodichloromethane	5.00	5.29		ug/L		106	73 - 124
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120
2-Chlorotoluene	5.00	5.36		ug/L		107	80 - 120
1,1-Dichloroethene	5.00	5.18		ug/L		104	80 - 131
Trichlorofluoromethane	5.00	4.77		ug/L		95	62 - 136
4-Chlorotoluene	5.00	5.48		ug/L		110	80 - 120
Dichlorodifluoromethane	5.00	4.82		ug/L		96	43 - 123
1,2-Dichloropropane	5.00	5.23		ug/L		105	80 - 120
1,1,2-Trichloroethane	5.00	5.54		ug/L		111	80 - 120
Acrylonitrile	25.0	27.4		ug/L		109	64 - 139
Trichloroethene	5.00	5.06		ug/L		101	80 - 120
1,1,2,2-Tetrachloroethane	5.00	5.60		ug/L		112	75 - 123
1,2-Dichlorobenzene	5.00	5.30		ug/L		106	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.47		ug/L		109	56 - 148
Bromobenzene	5.00	5.60		ug/L		112	80 - 120
Bromochloromethane	5.00	5.41		ug/L		108	80 - 120
Isopropylbenzene	5.00	5.32		ug/L		106	80 - 120
Dibromomethane	5.00	5.39		ug/L		108	80 - 122
di-Isopropyl ether	5.00	5.11		ug/L		102	58 - 131
Ethyl t-butyl ether	5.00	5.17		ug/L		103	57 - 126
Hexachlorobutadiene	5.00	4.12		ug/L		82	72 - 132
Naphthalene	5.00	5.07		ug/L		101	64 - 122
n-Butylbenzene	5.00	4.99		ug/L		100	74 - 123
N-Propylbenzene	5.00	5.27		ug/L		105	74 - 122
p-Isopropyltoluene	5.00	5.18		ug/L		104	80 - 120
sec-Butylbenzene	5.00	5.18		ug/L		104	80 - 120
t-Amyl methyl ether	5.00	5.24		ug/L		105	65 - 125
t-Butyl alcohol	50.0	45.2		ug/L		90	62 - 138
tert-Butylbenzene	5.00	5.32		ug/L		106	79 - 120
trans-1,4-Dichloro-2-butene	25.0	17.8		ug/L		71	10 - 172

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293894/5

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1,1,2-Tetrachloroethane	5.00	5.40		ug/L		108	71 - 134	0	30
cis-1,3-Dichloropropene	5.00	5.24		ug/L		105	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.70		ug/L		114	61 - 129	1	30
Ethylbenzene	5.00	5.40		ug/L		108	80 - 120	1	30
Styrene	5.00	5.45		ug/L		109	80 - 120	2	30
1,4-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30
1,2-Dibromoethane	5.00	5.94		ug/L		119	80 - 120	3	30
1,1-Dichloropropene	5.00	5.30		ug/L		106	74 - 120	2	30
1,2-Dichloroethane	5.00	5.58		ug/L		112	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	5.03		ug/L		101	68 - 125	2	30
1,2,3-Trichloropropane	5.00	5.94		ug/L		119	80 - 125	6	30
Toluene	5.00	5.40		ug/L		108	80 - 120	2	30
Chlorobenzene	5.00	5.52		ug/L		110	80 - 120	3	30
1,2,4-Trimethylbenzene	5.00	5.30		ug/L		106	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	5.13		ug/L		103	68 - 122	1	30
Dibromochloromethane	5.00	5.76		ug/L		115	64 - 138	2	30
Xylenes, Total	15.0	16.3		ug/L		109	80 - 120	1	30
Tetrachloroethene	5.00	5.47		ug/L		109	80 - 120	1	30
cis-1,2-Dichloroethene	5.00	5.35		ug/L		107	80 - 122	2	30
trans-1,2-Dichloroethene	5.00	5.23		ug/L		105	80 - 122	3	30
Methyl tertiary butyl ether	5.00	5.39		ug/L		108	69 - 120	1	30
1,3,5-Trimethylbenzene	5.00	5.31		ug/L		106	80 - 120	2	30
1,3-Dichlorobenzene	5.00	5.35		ug/L		107	80 - 120	2	30
1,3-Dichloropropane	5.00	5.72		ug/L		114	80 - 120	1	30
Chloroform	5.00	5.32		ug/L		106	80 - 120	1	30
Benzene	5.00	5.19		ug/L		104	80 - 120	1	30
1,1,1-Trichloroethane	5.00	5.25		ug/L		105	78 - 126	3	30
Bromomethane	5.00	4.93		ug/L		99	60 - 136	2	30
Chloromethane	5.00	5.02		ug/L		100	56 - 124	0	30
Chloroethane	5.00	5.14		ug/L		103	63 - 120	3	30
2,2-Dichloropropane	5.00	5.44		ug/L		109	61 - 141	1	30
Vinyl chloride	5.00	4.64		ug/L		93	60 - 125	0	30
Methylene Chloride	5.00	5.25		ug/L		105	80 - 120	1	30
Carbon disulfide	5.00	5.66		ug/L		113	67 - 130	0	30
Bromoform	5.00	5.64		ug/L		113	49 - 144	1	30
Bromodichloromethane	5.00	5.42		ug/L		108	73 - 124	2	30
1,1-Dichloroethane	5.00	5.16		ug/L		103	74 - 120	1	30
2-Chlorotoluene	5.00	5.50		ug/L		110	80 - 120	3	30
1,1-Dichloroethene	5.00	5.28		ug/L		106	80 - 131	2	30
Trichlorofluoromethane	5.00	4.95		ug/L		99	62 - 136	4	30
4-Chlorotoluene	5.00	5.54		ug/L		111	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.98		ug/L		100	43 - 123	3	30
1,2-Dichloropropane	5.00	5.27		ug/L		105	80 - 120	1	30
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120	1	30
Acrylonitrile	25.0	26.4		ug/L		106	64 - 139	4	30
Trichloroethene	5.00	5.15		ug/L		103	80 - 120	2	30
1,1,1,2-Tetrachloroethane	5.00	5.73		ug/L		115	75 - 123	2	30
1,2-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293894/5

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,2-Dibromo-3-Chloropropane	5.00	5.97		ug/L		119	56 - 148	9	30
Bromobenzene	5.00	5.74		ug/L		115	80 - 120	2	30
Bromochloromethane	5.00	5.53		ug/L		111	80 - 120	2	30
Isopropylbenzene	5.00	5.41		ug/L		108	80 - 120	2	30
Dibromomethane	5.00	5.45		ug/L		109	80 - 122	1	30
di-Isopropyl ether	5.00	5.25		ug/L		105	58 - 131	3	30
Ethyl t-butyl ether	5.00	5.27		ug/L		105	57 - 126	2	30
Hexachlorobutadiene	5.00	4.22		ug/L		84	72 - 132	2	30
Naphthalene	5.00	5.18		ug/L		104	64 - 122	2	30
n-Butylbenzene	5.00	5.11		ug/L		102	74 - 123	2	30
N-Propylbenzene	5.00	5.38		ug/L		108	74 - 122	2	30
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120	2	30
sec-Butylbenzene	5.00	5.25		ug/L		105	80 - 120	1	30
t-Amyl methyl ether	5.00	5.32		ug/L		106	65 - 125	2	30
t-Butyl alcohol	50.0	50.6		ug/L		101	62 - 138	11	30
tert-Butylbenzene	5.00	5.31		ug/L		106	79 - 120	0	30
trans-1,4-Dichloro-2-butene	25.0	16.9		ug/L		68	10 - 172	5	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-293422/4

Matrix: Water

Analysis Batch: 293422

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/07/22 13:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/07/22 13:37	1

Lab Sample ID: LCS 410-293422/5

Matrix: Water

Analysis Batch: 293422

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
GRO (1C)	1.10	1.00		mg/L		91	70 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCSD 410-293422/6

Matrix: Water

Analysis Batch: 293422

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	1.03		mg/L		94	70 - 123	3	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>a,a,a-Trifluorotoluene (fid) (1C)</i>	92		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-292283/1-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 19:27	1
Surrogate	%Recovery	MB Qualifier	Limits						
<i>o-terphenyl (Surr)</i>	97		37 - 153						

Lab Sample ID: LCS 410-292283/2-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)	2680	2380		ug/L		89	78 - 133		
Surrogate	%Recovery	LCS Qualifier	Limits						
<i>o-terphenyl (Surr)</i>	125		37 - 153						

Lab Sample ID: LCSD 410-292283/3-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2670	2270		ug/L		85	78 - 133	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>o-terphenyl (Surr)</i>	124		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

GC/MS VOA

Analysis Batch: 293309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96347-1	MW-15	Total/NA	Water	8260C LL	
410-96347-2	MW-18A	Total/NA	Water	8260C LL	
410-96347-3	MW-18B	Total/NA	Water	8260C LL	
410-96347-4	MW-5	Total/NA	Water	8260C LL	
410-96347-4 - DL	MW-5	Total/NA	Water	8260C LL	
MB 410-293309/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-293309/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-293309/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

Analysis Batch: 293894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96347-3 - DL	MW-18B	Total/NA	Water	8260C LL	
MB 410-293894/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-293894/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-293894/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 293422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96347-1	MW-15	Total/NA	Water	8015D	
410-96347-2	MW-18A	Total/NA	Water	8015D	
410-96347-3	MW-18B	Total/NA	Water	8015D	
410-96347-4	MW-5	Total/NA	Water	8015D	
MB 410-293422/4	Method Blank	Total/NA	Water	8015D	
LCS 410-293422/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-293422/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 292283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96347-1	MW-15	Total/NA	Water	3511	
410-96347-2	MW-18A	Total/NA	Water	3511	
410-96347-3	MW-18B	Total/NA	Water	3511	
410-96347-4	MW-5	Total/NA	Water	3511	
MB 410-292283/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 292559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96347-1	MW-15	Total/NA	Water	8015D	292283
410-96347-2	MW-18A	Total/NA	Water	8015D	292283
410-96347-3	MW-18B	Total/NA	Water	8015D	292283
410-96347-4	MW-5	Total/NA	Water	8015D	292283
MB 410-292283/1-A	Method Blank	Total/NA	Water	8015D	292283
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	8015D	292283
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	292283

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Client Sample ID: MW-15

Lab Sample ID: 410-96347-1

Date Collected: 08/29/22 10:35

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293309	DVW2	ELLE	09/07/22 18:10
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 17:01
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 00:36

Client Sample ID: MW-18A

Lab Sample ID: 410-96347-2

Date Collected: 08/29/22 11:40

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293309	DVW2	ELLE	09/07/22 18:30
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 17:27
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 01:00

Client Sample ID: MW-18B

Lab Sample ID: 410-96347-3

Date Collected: 08/29/22 12:45

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293309	DVW2	ELLE	09/07/22 18:51
Total/NA	Analysis	8260C LL	DL	50	293894	DVW2	ELLE	09/08/22 18:11
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 17:52
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 01:24

Client Sample ID: MW-5

Lab Sample ID: 410-96347-4

Date Collected: 08/29/22 13:55

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		5	293309	DVW2	ELLE	09/07/22 19:31
Total/NA	Analysis	8260C LL	DL	50	293309	DVW2	ELLE	09/07/22 19:52
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 18:18
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 01:47

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96347-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96347-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96347-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-96347-1	MW-15	Water	08/29/22 10:35	08/31/22 18:30
410-96347-2	MW-18A	Water	08/29/22 11:40	08/31/22 18:30
410-96347-3	MW-18B	Water	08/29/22 12:45	08/31/22 18:30
410-96347-4	MW-5	Water	08/29/22 13:55	08/31/22 18:30

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410-96347 Chain of Custody

Environmental Analysis Request/Chain of Custody

Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested										For Lab Use Only	
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface			Preservation Codes										SF #:	
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206		<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Other:													SCR #:	
Sampler: <i>Joanna Kalis</i>		PWSID #:		<input type="checkbox"/> Soil													Preservation Codes	
Phone #: 800-220-3606 x 3726		Quote #:		<input type="checkbox"/> Water													H = HCl T = Thiou sulfate	
State where sample(s) were collected: 19200 Middletown Rd. Parkton, MD				<input type="checkbox"/> Other:													N = HNO ₃ B = NaOH	
				<input type="checkbox"/> Composite													S = H ₂ SO ₄ P = H ₃ PO ₄	
				<input type="checkbox"/> Total # of Containers													O = Other	
Sample Identification		Collection															Remarks	
		Date	Time	Grab													EQEDD file name:	
<i>MW-15</i>		<i>8/29/22</i>	<i>10:35</i>	<i>X</i>		<i>X</i>											High's Store No 141-	
<i>MW-18A</i>		<i>8/29/22</i>	<i>11:40</i>	<i>X</i>		<i>X</i>											lab report #.17962.	
<i>MW-18B</i>		<i>8/29/22</i>	<i>12:45</i>	<i>X</i>		<i>X</i>											EQEDD.zip	
<i>MW-5</i>		<i>8/29/22</i>	<i>13:55</i>	<i>X</i>		<i>X</i>											Send invoice to:	
																	ges-invoices@	
																	gesonline.com &	
																	include PO #	
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Joanna Kalis</i>			Date	Time	Received by: <i>Denise Weady</i>		Date	Time						
(Rush TAT is subject to laboratory approval and surcharges.)							<i>8/29/22</i>	<i>15:50</i>	<i>8-29-22</i>		<i>15:50</i>							
Date results are needed:				Relinquished by: <i>Denise Weady</i>			Date	Time	Received by: <i>John</i>		Date	Time						
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>							<i>8-31-22</i>	<i>15:07</i>	<i>8/31/22</i>		<i>15:07</i>							
E-mail Address: <u>midatlantic@gesonline.com</u> & <u>ges@equisonline.com</u>				Relinquished by: <i>John</i>			Date	Time	Received by:		Date	Time						
Phone:							<i>8/31/22</i>	<i>17:59</i>										
Data Package Options (please check if required)				Relinquished by:			Date	Time	Received by:		Date	Time						
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>																		
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>																		
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>																		
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:					<i>Car</i>		<i>8/31/22</i>	<i>18:30</i>						
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				UPS _____ FedEx _____ Other _____									Temperature upon receipt <u>4.8</u> °C					
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip																		

KK

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-96347-1

Login Number: 96347

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-96350-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:

9/15/2022 8:08:03 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter".

Amek Carter
Project Manager
9/15/2022 8:08:03 AM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	17
QC Sample Results	19
QC Association Summary	31
Lab Chronicle	33
Certification Summary	34
Method Summary	36
Sample Summary	37
Chain of Custody	38
Receipt Checklists	39

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

Job ID: 410-96350-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-96350-1

Receipt

The samples were received on 8/31/2022 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-293315 recovered above the upper control limit for Bromoform. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-293315 recovered outside acceptance criteria, low biased, for t-Butyl alcohol and trans-1,4-Dichloro-2-butene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-7A (410-96350-1), RW-2 (410-96350-2), MW-7B (410-96350-3) and 1608R (410-96350-4). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: MW-7B (410-96350-3). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260C_LL: Internal standard (ISTD) response for the following sample was outside control limits: MW-7B (410-96350-3). The sample(s) was re-extracted and/or re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7A

Lab Sample ID: 410-96350-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.72		0.50	0.080	ug/L	1		8260C LL	Total/NA
Chloroform	0.27	J	0.50	0.090	ug/L	1		8260C LL	Total/NA

Client Sample ID: RW-2

Lab Sample ID: 410-96350-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.97		0.50	0.080	ug/L	1		8260C LL	Total/NA
Chloroform	0.12	J	0.50	0.090	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-7B

Lab Sample ID: 410-96350-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
DRO (C10-C28)	110		110	57	ug/L	1		8015D	Total/NA

Client Sample ID: 1608R

Lab Sample ID: 410-96350-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
di-Isopropyl ether	0.26	J	0.50	0.10	ug/L	1		8260C LL	Total/NA
t-Amyl methyl ether	0.89		0.50	0.20	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether - DL	39		5.0	0.80	ug/L	10		8260C LL	Total/NA
GRO (1C)	0.027	J	0.050	0.023	mg/L	1		8015D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7A

Lab Sample ID: 410-96350-1

Date Collected: 08/29/22 10:25

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 11:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 11:14	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 11:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 11:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Methyl tertiary butyl ether	0.72		0.50	0.080	ug/L			09/07/22 11:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Chloroform	0.27	J	0.50	0.090	ug/L			09/07/22 11:14	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 11:14	1
Bromoform	ND	cn	1.0	0.30	ug/L			09/07/22 11:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/07/22 11:14	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 11:14	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:14	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 11:14	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7A

Lab Sample ID: 410-96350-1

Date Collected: 08/29/22 10:25

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 11:14	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 11:14	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 11:14	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 11:14	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/07/22 11:14	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:14	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/07/22 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/07/22 11:14	1
Dibromofluoromethane (Surr)	103		80 - 120		09/07/22 11:14	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/07/22 11:14	1
Toluene-d8 (Surr)	99		80 - 120		09/07/22 11:14	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/08/22 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		09/08/22 20:37	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/03/22 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	125		37 - 153	09/02/22 07:49	09/03/22 02:11	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: RW-2

Lab Sample ID: 410-96350-2

Date Collected: 08/29/22 11:15

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 11:36	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 11:36	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 11:36	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 11:36	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Methyl tertiary butyl ether	0.97		0.50	0.080	ug/L			09/07/22 11:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Chloroform	0.12	J	0.50	0.090	ug/L			09/07/22 11:36	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 11:36	1
Bromoform	ND	cn	1.0	0.30	ug/L			09/07/22 11:36	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/07/22 11:36	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 11:36	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 11:36	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 11:36	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: RW-2

Lab Sample ID: 410-96350-2

Date Collected: 08/29/22 11:15

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 11:36	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 11:36	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 11:36	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 11:36	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/07/22 11:36	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 11:36	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/07/22 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/07/22 11:36	1
Dibromofluoromethane (Surr)	103		80 - 120		09/07/22 11:36	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/07/22 11:36	1
Toluene-d8 (Surr)	99		80 - 120		09/07/22 11:36	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/07/22 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	103		63 - 135		09/07/22 20:00	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/03/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	120		37 - 153	09/02/22 07:49	09/03/22 02:35	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7B

Lab Sample ID: 410-96350-3

Date Collected: 08/29/22 12:10

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/08/22 14:47	1
cis-1,3-Dichloropropene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
trans-1,3-Dichloropropene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Ethylbenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Styrene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
Styrene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,4-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,2-Dibromoethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,1-Dichloropropene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
1,2-Dichloroethane	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,2,3-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,2,3-Trichloropropane	ND	cn	1.0	0.10	ug/L			09/07/22 11:58	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/08/22 14:47	1
Toluene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Toluene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Chlorobenzene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,2,4-Trimethylbenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
Dibromochloromethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Xylenes, Total	ND	cn	1.0	0.070	ug/L			09/07/22 11:58	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/08/22 14:47	1
Tetrachloroethene	ND	cn	0.50	0.20	ug/L			09/07/22 11:58	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/08/22 14:47	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Methyl tertiary butyl ether	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,3,5-Trimethylbenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,3-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,3-Dichloropropane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Chloroform	ND	cn	0.50	0.090	ug/L			09/07/22 11:58	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7B

Lab Sample ID: 410-96350-3

Date Collected: 08/29/22 12:10

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.50	0.090	ug/L			09/08/22 14:47	1
Benzene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Benzene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
1,1,1-Trichloroethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Bromomethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Bromomethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Chloromethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Chloromethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Chloroethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Chloroethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
2,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Methylene Chloride	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Carbon disulfide	ND	cn	1.0	0.10	ug/L			09/07/22 11:58	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/08/22 14:47	1
Bromoform	ND	cn	1.0	0.30	ug/L			09/07/22 11:58	1
Bromoform	ND		1.0	0.30	ug/L			09/08/22 14:47	1
Bromodichloromethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,1-Dichloroethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
2-Chlorotoluene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Trichlorofluoromethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
4-Chlorotoluene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Dichlorodifluoromethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
1,1,2-Trichloroethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Acrylonitrile	ND	*3 cn	5.0	0.40	ug/L			09/07/22 11:58	1
Acrylonitrile	ND	*3 cn	5.0	0.40	ug/L			09/08/22 14:47	1
Trichloroethene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Trichloroethene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
1,1,1,2-Tetrachloroethane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/08/22 14:47	1
1,2-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			09/07/22 11:58	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:47	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/08/22 14:47	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7B

Lab Sample ID: 410-96350-3

Date Collected: 08/29/22 12:10

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Bromobenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Bromochloromethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Isopropylbenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Dibromomethane	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Dibromomethane	ND		0.50	0.080	ug/L			09/08/22 14:47	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/08/22 14:47	1
Ethyl t-butyl ether	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
Naphthalene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
Naphthalene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
n-Butylbenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
N-Propylbenzene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
p-Isopropyltoluene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
sec-Butylbenzene	ND	cn	0.50	0.10	ug/L			09/07/22 11:58	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/08/22 14:47	1
t-Amyl methyl ether	ND	cn	0.50	0.20	ug/L			09/07/22 11:58	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/08/22 14:47	1
t-Butyl alcohol	ND	*3 cn	10	3.0	ug/L			09/07/22 11:58	1
t-Butyl alcohol	ND	*3	10	3.0	ug/L			09/08/22 14:47	1
tert-Butylbenzene	ND	cn	0.50	0.080	ug/L			09/07/22 11:58	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:47	1
trans-1,4-Dichloro-2-butene	ND	*3 cn	5.0	2.0	ug/L			09/07/22 11:58	1
trans-1,4-Dichloro-2-butene	ND	*3	5.0	2.0	ug/L			09/08/22 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100	cn	80 - 120		09/07/22 11:58	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		09/08/22 14:47	1
Dibromofluoromethane (Surr)	101	cn	80 - 120		09/07/22 11:58	1
Dibromofluoromethane (Surr)	99		80 - 120		09/08/22 14:47	1
4-Bromofluorobenzene (Surr)	98	cn	80 - 120		09/07/22 11:58	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/08/22 14:47	1
Toluene-d8 (Surr)	99	cn	80 - 120		09/07/22 11:58	1
Toluene-d8 (Surr)	103		80 - 120		09/08/22 14:47	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/07/22 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/07/22 20:26	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7B

Lab Sample ID: 410-96350-3

Date Collected: 08/29/22 12:10

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	110		110	57	ug/L		09/02/22 07:49	09/03/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-terphenyl (Surr)</i>	126		37 - 153				09/02/22 07:49	09/03/22 02:59	1



Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: 1608R

Lab Sample ID: 410-96350-4

Date Collected: 08/29/22 13:10

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 12:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 12:20	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 12:20	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 12:20	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Chloroform	ND		0.50	0.090	ug/L			09/07/22 12:20	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 12:20	1
Bromoform	ND	cn	1.0	0.30	ug/L			09/07/22 12:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			09/07/22 12:20	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 12:20	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 12:20	1
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: 1608R

Lab Sample ID: 410-96350-4

Date Collected: 08/29/22 13:10

Matrix: Water

Date Received: 08/31/22 18:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 12:20	1
di-Isopropyl ether	0.26	J	0.50	0.10	ug/L			09/07/22 12:20	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 12:20	1
t-Amyl methyl ether	0.89		0.50	0.20	ug/L			09/07/22 12:20	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			09/07/22 12:20	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 12:20	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			09/07/22 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/07/22 12:20	1
Dibromofluoromethane (Surr)	102		80 - 120		09/07/22 12:20	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/07/22 12:20	1
Toluene-d8 (Surr)	99		80 - 120		09/07/22 12:20	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	39		5.0	0.80	ug/L			09/07/22 12:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/07/22 12:42	10
Dibromofluoromethane (Surr)	102		80 - 120		09/07/22 12:42	10
4-Bromofluorobenzene (Surr)	98		80 - 120		09/07/22 12:42	10
Toluene-d8 (Surr)	98		80 - 120		09/07/22 12:42	10

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	0.027	J	0.050	0.023	mg/L			09/07/22 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/07/22 20:51	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/03/22 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	95		37 - 153	09/02/22 07:49	09/03/22 03:23	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-96350-1	MW-7A	103	103	99	99
410-96350-2	RW-2	103	103	98	99
410-96350-3	MW-7B	100 cn	101 cn	98 cn	99 cn
410-96350-3	MW-7B	104	99	96	103
410-96350-4	1608R	102	102	98	99
410-96350-4 - DL	1608R	101	102	98	98
LCS 410-293315/4	Lab Control Sample	102	103	100	100
LCS 410-293894/4	Lab Control Sample	105	101	98	103
LCSD 410-293315/5	Lab Control Sample Dup	103	103	100	99
LCSD 410-293894/5	Lab Control Sample Dup	104	100	98	103
MB 410-293315/7	Method Blank	102	102	98	99
MB 410-293894/7	Method Blank	103	101	99	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1 (63-135)
410-96350-1	MW-7A	101
410-96350-2	RW-2	103
410-96350-3	MW-7B	102
410-96350-4	1608R	102
LCS 410-293422/5	Lab Control Sample	93
LCS 410-293841/5	Lab Control Sample	94
LCSD 410-293422/6	Lab Control Sample Dup	92
LCSD 410-293841/6	Lab Control Sample Dup	92
MB 410-293422/4	Method Blank	102
MB 410-293841/4	Method Blank	100

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTP (37-153)
410-96350-1	MW-7A	125
410-96350-2	RW-2	120
410-96350-3	MW-7B	126
410-96350-4	1608R	95
LCS 410-292283/2-A	Lab Control Sample	125
LCSD 410-292283/3-A	Lab Control Sample Dup	124

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTP (37-153)
MB 410-292283/1-A	Method Blank	97

Surrogate Legend

OTP = o- terphenyl (Surr)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-293315/7

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/07/22 10:52	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Styrene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/07/22 10:52	1
Toluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/07/22 10:52	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/07/22 10:52	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Chloroform	ND		0.50	0.090	ug/L			09/07/22 10:52	1
Benzene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Bromomethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Chloromethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Chloroethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/07/22 10:52	1
Bromoform	ND		1.0	0.30	ug/L			09/07/22 10:52	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/07/22 10:52	1
Trichloroethene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/07/22 10:52	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293315/7

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Bromobenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Dibromomethane	ND		0.50	0.080	ug/L			09/07/22 10:52	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/07/22 10:52	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
Naphthalene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
N-Propylbenzene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/07/22 10:52	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/07/22 10:52	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/07/22 10:52	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/07/22 10:52	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/07/22 10:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/07/22 10:52	1
Dibromofluoromethane (Surr)	102		80 - 120		09/07/22 10:52	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/07/22 10:52	1
Toluene-d8 (Surr)	99		80 - 120		09/07/22 10:52	1

Lab Sample ID: LCS 410-293315/4

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	5.13		ug/L		103	67 - 121
trans-1,3-Dichloropropene	5.00	5.34		ug/L		107	61 - 129
Ethylbenzene	5.00	4.90		ug/L		98	80 - 120
Styrene	5.00	4.92		ug/L		98	80 - 120
1,4-Dichlorobenzene	5.00	4.68		ug/L		94	80 - 120
1,2-Dibromoethane	5.00	5.05		ug/L		101	80 - 120
1,1-Dichloropropene	5.00	5.02		ug/L		100	74 - 120
1,2-Dichloroethane	5.00	5.05		ug/L		101	69 - 122
1,2,3-Trichlorobenzene	5.00	4.81		ug/L		96	68 - 125
1,2,3-Trichloropropane	5.00	5.12		ug/L		102	80 - 125
Toluene	5.00	4.89		ug/L		98	80 - 120
Chlorobenzene	5.00	4.83		ug/L		97	80 - 120
1,2,4-Trimethylbenzene	5.00	4.88		ug/L		98	80 - 120
1,2,4-Trichlorobenzene	5.00	4.77		ug/L		95	68 - 122
Dibromochloromethane	5.00	5.64		ug/L		113	64 - 138
Xylenes, Total	15.0	14.8		ug/L		99	80 - 120
Tetrachloroethene	5.00	5.04		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293315/4

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.90		ug/L		98	80 - 122
Methyl tertiary butyl ether	5.00	5.01		ug/L		100	69 - 120
1,3,5-Trimethylbenzene	5.00	4.87		ug/L		97	80 - 120
1,3-Dichlorobenzene	5.00	4.74		ug/L		95	80 - 120
1,3-Dichloropropane	5.00	4.97		ug/L		99	80 - 120
Chloroform	5.00	5.01		ug/L		100	80 - 120
Benzene	5.00	4.98		ug/L		100	80 - 120
1,1,1-Trichloroethane	5.00	5.15		ug/L		103	78 - 126
Bromomethane	5.00	4.57		ug/L		91	60 - 136
Chloromethane	5.00	4.96		ug/L		99	56 - 124
Chloroethane	5.00	4.70		ug/L		94	63 - 120
2,2-Dichloropropane	5.00	5.51		ug/L		110	61 - 141
Vinyl chloride	5.00	4.47		ug/L		89	60 - 125
Methylene Chloride	5.00	5.03		ug/L		101	80 - 120
Carbon disulfide	5.00	6.17		ug/L		123	67 - 130
Bromoform	5.00	6.08		ug/L		122	49 - 144
Bromodichloromethane	5.00	5.44		ug/L		109	73 - 124
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120
2-Chlorotoluene	5.00	4.80		ug/L		96	80 - 120
1,1-Dichloroethene	5.00	5.07		ug/L		101	80 - 131
Trichlorofluoromethane	5.00	4.84		ug/L		97	62 - 136
4-Chlorotoluene	5.00	4.80		ug/L		96	80 - 120
Dichlorodifluoromethane	5.00	4.59		ug/L		92	43 - 123
1,2-Dichloropropane	5.00	5.01		ug/L		100	80 - 120
1,1,2-Trichloroethane	5.00	5.00		ug/L		100	80 - 120
Acrylonitrile	25.0	25.5		ug/L		102	64 - 139
Trichloroethene	5.00	4.97		ug/L		99	80 - 120
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123
1,2-Dichlorobenzene	5.00	4.80		ug/L		96	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.44		ug/L		109	56 - 148
Bromobenzene	5.00	4.97		ug/L		99	80 - 120
Bromochloromethane	5.00	5.35		ug/L		107	80 - 120
Isopropylbenzene	5.00	5.06		ug/L		101	80 - 120
Dibromomethane	5.00	5.21		ug/L		104	80 - 122
di-Isopropyl ether	5.00	4.99		ug/L		100	58 - 131
Ethyl t-butyl ether	5.00	5.04		ug/L		101	57 - 126
Hexachlorobutadiene	5.00	5.06		ug/L		101	72 - 132
Naphthalene	5.00	4.89		ug/L		98	64 - 122
n-Butylbenzene	5.00	4.83		ug/L		97	74 - 123
N-Propylbenzene	5.00	4.84		ug/L		97	74 - 122
p-Isopropyltoluene	5.00	4.96		ug/L		99	80 - 120
sec-Butylbenzene	5.00	5.01		ug/L		100	80 - 120
t-Amyl methyl ether	5.00	5.20		ug/L		104	65 - 125
t-Butyl alcohol	50.0	37.9		ug/L		76	62 - 138
tert-Butylbenzene	5.00	4.72		ug/L		94	79 - 120
trans-1,4-Dichloro-2-butene	25.0	10.5		ug/L		42	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293315/4

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 410-293315/5

Matrix: Water

Analysis Batch: 293315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
1,1,1,2-Tetrachloroethane	5.00	5.25		ug/L		105	71 - 134	1	30
cis-1,3-Dichloropropene	5.00	5.10		ug/L		102	67 - 121	1	30
trans-1,3-Dichloropropene	5.00	5.29		ug/L		106	61 - 129	1	30
Ethylbenzene	5.00	4.82		ug/L		96	80 - 120	2	30
Styrene	5.00	4.89		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene	5.00	4.67		ug/L		93	80 - 120	0	30
1,2-Dibromoethane	5.00	5.07		ug/L		101	80 - 120	0	30
1,1-Dichloropropene	5.00	4.97		ug/L		99	74 - 120	1	30
1,2-Dichloroethane	5.00	4.84		ug/L		97	69 - 122	4	30
1,2,3-Trichlorobenzene	5.00	4.81		ug/L		96	68 - 125	0	30
1,2,3-Trichloropropane	5.00	5.06		ug/L		101	80 - 125	1	30
Toluene	5.00	4.82		ug/L		96	80 - 120	1	30
Chlorobenzene	5.00	4.81		ug/L		96	80 - 120	0	30
1,2,4-Trimethylbenzene	5.00	4.84		ug/L		97	80 - 120	1	30
1,2,4-Trichlorobenzene	5.00	4.71		ug/L		94	68 - 122	1	30
Dibromochloromethane	5.00	5.64		ug/L		113	64 - 138	0	30
Xylenes, Total	15.0	14.7		ug/L		98	80 - 120	1	30
Tetrachloroethene	5.00	4.90		ug/L		98	80 - 120	3	30
cis-1,2-Dichloroethene	5.00	5.17		ug/L		103	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.89		ug/L		98	80 - 122	0	30
Methyl tertiary butyl ether	5.00	4.97		ug/L		99	69 - 120	1	30
1,3,5-Trimethylbenzene	5.00	4.81		ug/L		96	80 - 120	1	30
1,3-Dichlorobenzene	5.00	4.74		ug/L		95	80 - 120	0	30
1,3-Dichloropropane	5.00	4.93		ug/L		99	80 - 120	1	30
Chloroform	5.00	4.96		ug/L		99	80 - 120	1	30
Benzene	5.00	4.93		ug/L		99	80 - 120	1	30
1,1,1-Trichloroethane	5.00	5.12		ug/L		102	78 - 126	1	30
Bromomethane	5.00	4.64		ug/L		93	60 - 136	2	30
Chloromethane	5.00	5.00		ug/L		100	56 - 124	1	30
Chloroethane	5.00	4.64		ug/L		93	63 - 120	1	30
2,2-Dichloropropane	5.00	5.42		ug/L		108	61 - 141	2	30
Vinyl chloride	5.00	4.48		ug/L		90	60 - 125	0	30
Methylene Chloride	5.00	4.98		ug/L		100	80 - 120	1	30
Carbon disulfide	5.00	6.13		ug/L		123	67 - 130	1	30
Bromoform	5.00	6.00		ug/L		120	49 - 144	1	30
Bromodichloromethane	5.00	5.43		ug/L		109	73 - 124	0	30
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120	0	30
2-Chlorotoluene	5.00	4.80		ug/L		96	80 - 120	0	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293315/5

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293315

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	4.95		ug/L		99	80 - 131	3	30
Trichlorofluoromethane	5.00	4.72		ug/L		94	62 - 136	3	30
4-Chlorotoluene	5.00	4.79		ug/L		96	80 - 120	0	30
Dichlorodifluoromethane	5.00	4.59		ug/L		92	43 - 123	0	30
1,2-Dichloropropane	5.00	4.96		ug/L		99	80 - 120	1	30
1,1,2-Trichloroethane	5.00	4.97		ug/L		99	80 - 120	0	30
Acrylonitrile	25.0	27.2		ug/L		109	64 - 139	7	30
Trichloroethene	5.00	4.90		ug/L		98	80 - 120	2	30
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123	0	30
1,2-Dichlorobenzene	5.00	4.75		ug/L		95	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	5.00	5.38		ug/L		108	56 - 148	1	30
Bromobenzene	5.00	4.96		ug/L		99	80 - 120	0	30
Bromochloromethane	5.00	5.33		ug/L		107	80 - 120	0	30
Isopropylbenzene	5.00	4.98		ug/L		100	80 - 120	2	30
Dibromomethane	5.00	5.19		ug/L		104	80 - 122	0	30
di-Isopropyl ether	5.00	4.95		ug/L		99	58 - 131	1	30
Ethyl t-butyl ether	5.00	5.00		ug/L		100	57 - 126	1	30
Hexachlorobutadiene	5.00	5.00		ug/L		100	72 - 132	1	30
Naphthalene	5.00	4.85		ug/L		97	64 - 122	1	30
n-Butylbenzene	5.00	4.77		ug/L		95	74 - 123	1	30
N-Propylbenzene	5.00	4.78		ug/L		96	74 - 122	1	30
p-Isopropyltoluene	5.00	4.92		ug/L		98	80 - 120	1	30
sec-Butylbenzene	5.00	4.97		ug/L		99	80 - 120	1	30
t-Amyl methyl ether	5.00	5.16		ug/L		103	65 - 125	1	30
t-Butyl alcohol	50.0	43.5		ug/L		87	62 - 138	14	30
tert-Butylbenzene	5.00	5.03		ug/L		101	79 - 120	6	30
trans-1,4-Dichloro-2-butene	25.0	10.9		ug/L		44	10 - 172	4	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 410-293894/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293894

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/08/22 14:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Styrene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			09/08/22 14:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293894/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293894

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			09/08/22 14:27	1
Toluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			09/08/22 14:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			09/08/22 14:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Chloroform	ND		0.50	0.090	ug/L			09/08/22 14:27	1
Benzene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Bromomethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Chloromethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Chloroethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Methylene Chloride	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			09/08/22 14:27	1
Bromoform	ND		1.0	0.30	ug/L			09/08/22 14:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Acrylonitrile	ND		5.0	0.40	ug/L			09/08/22 14:27	1
Trichloroethene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			09/08/22 14:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Bromobenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Isopropylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Dibromomethane	ND		0.50	0.080	ug/L			09/08/22 14:27	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/08/22 14:27	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
Naphthalene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
n-Butylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-293894/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293894

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Propylbenzene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			09/08/22 14:27	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			09/08/22 14:27	1
t-Butyl alcohol	ND		10	3.0	ug/L			09/08/22 14:27	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			09/08/22 14:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			09/08/22 14:27	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
%Recovery	Qualifier								
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/08/22 14:27	1			
Dibromofluoromethane (Surr)	101		80 - 120		09/08/22 14:27	1			
4-Bromofluorobenzene (Surr)	99		80 - 120		09/08/22 14:27	1			
Toluene-d8 (Surr)	104		80 - 120		09/08/22 14:27	1			

Lab Sample ID: LCS 410-293894/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293894

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	5.43		ug/L		109	71 - 134
cis-1,3-Dichloropropene	5.00	5.16		ug/L		103	67 - 121
trans-1,3-Dichloropropene	5.00	5.75		ug/L		115	61 - 129
Ethylbenzene	5.00	5.32		ug/L		106	80 - 120
Styrene	5.00	5.37		ug/L		107	80 - 120
1,4-Dichlorobenzene	5.00	5.34		ug/L		107	80 - 120
1,2-Dibromoethane	5.00	5.77		ug/L		115	80 - 120
1,1-Dichloropropene	5.00	5.22		ug/L		104	74 - 120
1,2-Dichloroethane	5.00	5.65		ug/L		113	69 - 122
1,2,3-Trichlorobenzene	5.00	4.94		ug/L		99	68 - 125
1,2,3-Trichloropropane	5.00	5.61		ug/L		112	80 - 125
Toluene	5.00	5.29		ug/L		106	80 - 120
Chlorobenzene	5.00	5.38		ug/L		108	80 - 120
1,2,4-Trimethylbenzene	5.00	5.19		ug/L		104	80 - 120
1,2,4-Trichlorobenzene	5.00	5.08		ug/L		102	68 - 122
Dibromochloromethane	5.00	5.65		ug/L		113	64 - 138
Xylenes, Total	15.0	16.1		ug/L		107	80 - 120
Tetrachloroethene	5.00	5.42		ug/L		108	80 - 120
cis-1,2-Dichloroethene	5.00	5.24		ug/L		105	80 - 122
trans-1,2-Dichloroethene	5.00	5.09		ug/L		102	80 - 122
Methyl tertiary butyl ether	5.00	5.34		ug/L		107	69 - 120
1,3,5-Trimethylbenzene	5.00	5.19		ug/L		104	80 - 120
1,3-Dichlorobenzene	5.00	5.26		ug/L		105	80 - 120
1,3-Dichloropropane	5.00	5.69		ug/L		114	80 - 120
Chloroform	5.00	5.26		ug/L		105	80 - 120
Benzene	5.00	5.13		ug/L		103	80 - 120
1,1,1-Trichloroethane	5.00	5.08		ug/L		102	78 - 126
Bromomethane	5.00	4.83		ug/L		97	60 - 136
Chloromethane	5.00	5.03		ug/L		101	56 - 124

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-293894/4

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloroethane	5.00	4.98		ug/L		100	63 - 120
2,2-Dichloropropane	5.00	5.39		ug/L		108	61 - 141
Vinyl chloride	5.00	4.65		ug/L		93	60 - 125
Methylene Chloride	5.00	5.32		ug/L		106	80 - 120
Carbon disulfide	5.00	5.65		ug/L		113	67 - 130
Bromoform	5.00	5.67		ug/L		113	49 - 144
Bromodichloromethane	5.00	5.29		ug/L		106	73 - 124
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120
2-Chlorotoluene	5.00	5.36		ug/L		107	80 - 120
1,1-Dichloroethene	5.00	5.18		ug/L		104	80 - 131
Trichlorofluoromethane	5.00	4.77		ug/L		95	62 - 136
4-Chlorotoluene	5.00	5.48		ug/L		110	80 - 120
Dichlorodifluoromethane	5.00	4.82		ug/L		96	43 - 123
1,2-Dichloropropane	5.00	5.23		ug/L		105	80 - 120
1,1,2-Trichloroethane	5.00	5.54		ug/L		111	80 - 120
Acrylonitrile	25.0	27.4		ug/L		109	64 - 139
Trichloroethene	5.00	5.06		ug/L		101	80 - 120
1,1,2,2-Tetrachloroethane	5.00	5.60		ug/L		112	75 - 123
1,2-Dichlorobenzene	5.00	5.30		ug/L		106	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.47		ug/L		109	56 - 148
Bromobenzene	5.00	5.60		ug/L		112	80 - 120
Bromochloromethane	5.00	5.41		ug/L		108	80 - 120
Isopropylbenzene	5.00	5.32		ug/L		106	80 - 120
Dibromomethane	5.00	5.39		ug/L		108	80 - 122
di-Isopropyl ether	5.00	5.11		ug/L		102	58 - 131
Ethyl t-butyl ether	5.00	5.17		ug/L		103	57 - 126
Hexachlorobutadiene	5.00	4.12		ug/L		82	72 - 132
Naphthalene	5.00	5.07		ug/L		101	64 - 122
n-Butylbenzene	5.00	4.99		ug/L		100	74 - 123
N-Propylbenzene	5.00	5.27		ug/L		105	74 - 122
p-Isopropyltoluene	5.00	5.18		ug/L		104	80 - 120
sec-Butylbenzene	5.00	5.18		ug/L		104	80 - 120
t-Amyl methyl ether	5.00	5.24		ug/L		105	65 - 125
t-Butyl alcohol	50.0	45.2		ug/L		90	62 - 138
tert-Butylbenzene	5.00	5.32		ug/L		106	79 - 120
trans-1,4-Dichloro-2-butene	25.0	17.8		ug/L		71	10 - 172

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293894/5

Matrix: Water

Analysis Batch: 293894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1,1,2-Tetrachloroethane	5.00	5.40		ug/L		108	71 - 134	0	30
cis-1,3-Dichloropropene	5.00	5.24		ug/L		105	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.70		ug/L		114	61 - 129	1	30
Ethylbenzene	5.00	5.40		ug/L		108	80 - 120	1	30
Styrene	5.00	5.45		ug/L		109	80 - 120	2	30
1,4-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30
1,2-Dibromoethane	5.00	5.94		ug/L		119	80 - 120	3	30
1,1-Dichloropropene	5.00	5.30		ug/L		106	74 - 120	2	30
1,2-Dichloroethane	5.00	5.58		ug/L		112	69 - 122	1	30
1,2,3-Trichlorobenzene	5.00	5.03		ug/L		101	68 - 125	2	30
1,2,3-Trichloropropane	5.00	5.94		ug/L		119	80 - 125	6	30
Toluene	5.00	5.40		ug/L		108	80 - 120	2	30
Chlorobenzene	5.00	5.52		ug/L		110	80 - 120	3	30
1,2,4-Trimethylbenzene	5.00	5.30		ug/L		106	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	5.13		ug/L		103	68 - 122	1	30
Dibromochloromethane	5.00	5.76		ug/L		115	64 - 138	2	30
Xylenes, Total	15.0	16.3		ug/L		109	80 - 120	1	30
Tetrachloroethene	5.00	5.47		ug/L		109	80 - 120	1	30
cis-1,2-Dichloroethene	5.00	5.35		ug/L		107	80 - 122	2	30
trans-1,2-Dichloroethene	5.00	5.23		ug/L		105	80 - 122	3	30
Methyl tertiary butyl ether	5.00	5.39		ug/L		108	69 - 120	1	30
1,3,5-Trimethylbenzene	5.00	5.31		ug/L		106	80 - 120	2	30
1,3-Dichlorobenzene	5.00	5.35		ug/L		107	80 - 120	2	30
1,3-Dichloropropane	5.00	5.72		ug/L		114	80 - 120	1	30
Chloroform	5.00	5.32		ug/L		106	80 - 120	1	30
Benzene	5.00	5.19		ug/L		104	80 - 120	1	30
1,1,1-Trichloroethane	5.00	5.25		ug/L		105	78 - 126	3	30
Bromomethane	5.00	4.93		ug/L		99	60 - 136	2	30
Chloromethane	5.00	5.02		ug/L		100	56 - 124	0	30
Chloroethane	5.00	5.14		ug/L		103	63 - 120	3	30
2,2-Dichloropropane	5.00	5.44		ug/L		109	61 - 141	1	30
Vinyl chloride	5.00	4.64		ug/L		93	60 - 125	0	30
Methylene Chloride	5.00	5.25		ug/L		105	80 - 120	1	30
Carbon disulfide	5.00	5.66		ug/L		113	67 - 130	0	30
Bromoform	5.00	5.64		ug/L		113	49 - 144	1	30
Bromodichloromethane	5.00	5.42		ug/L		108	73 - 124	2	30
1,1-Dichloroethane	5.00	5.16		ug/L		103	74 - 120	1	30
2-Chlorotoluene	5.00	5.50		ug/L		110	80 - 120	3	30
1,1-Dichloroethene	5.00	5.28		ug/L		106	80 - 131	2	30
Trichlorofluoromethane	5.00	4.95		ug/L		99	62 - 136	4	30
4-Chlorotoluene	5.00	5.54		ug/L		111	80 - 120	1	30
Dichlorodifluoromethane	5.00	4.98		ug/L		100	43 - 123	3	30
1,2-Dichloropropane	5.00	5.27		ug/L		105	80 - 120	1	30
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	80 - 120	1	30
Acrylonitrile	25.0	26.4		ug/L		106	64 - 139	4	30
Trichloroethene	5.00	5.15		ug/L		103	80 - 120	2	30
1,1,1,2-Tetrachloroethane	5.00	5.73		ug/L		115	75 - 123	2	30
1,2-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120	2	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-293894/5

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293894

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,2-Dibromo-3-Chloropropane	5.00	5.97		ug/L		119	56 - 148	9	30
Bromobenzene	5.00	5.74		ug/L		115	80 - 120	2	30
Bromochloromethane	5.00	5.53		ug/L		111	80 - 120	2	30
Isopropylbenzene	5.00	5.41		ug/L		108	80 - 120	2	30
Dibromomethane	5.00	5.45		ug/L		109	80 - 122	1	30
di-Isopropyl ether	5.00	5.25		ug/L		105	58 - 131	3	30
Ethyl t-butyl ether	5.00	5.27		ug/L		105	57 - 126	2	30
Hexachlorobutadiene	5.00	4.22		ug/L		84	72 - 132	2	30
Naphthalene	5.00	5.18		ug/L		104	64 - 122	2	30
n-Butylbenzene	5.00	5.11		ug/L		102	74 - 123	2	30
N-Propylbenzene	5.00	5.38		ug/L		108	74 - 122	2	30
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120	2	30
sec-Butylbenzene	5.00	5.25		ug/L		105	80 - 120	1	30
t-Amyl methyl ether	5.00	5.32		ug/L		106	65 - 125	2	30
t-Butyl alcohol	50.0	50.6		ug/L		101	62 - 138	11	30
tert-Butylbenzene	5.00	5.31		ug/L		106	79 - 120	0	30
trans-1,4-Dichloro-2-butene	25.0	16.9		ug/L		68	10 - 172	5	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-293422/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293422

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (1C)	ND		0.050	0.023	mg/L			09/07/22 13:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	102		63 - 135		09/07/22 13:37	1

Lab Sample ID: LCS 410-293422/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 293422

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
GRO (1C)	1.10	1.00		mg/L		91	70 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
a,a,a-Trifluorotoluene (fid) (1C)	93		63 - 135

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCSD 410-293422/6

Matrix: Water

Analysis Batch: 293422

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	1.03		mg/L		94	70 - 123	3	30
Surrogate	%Recovery	Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135						

Lab Sample ID: MB 410-293841/4

Matrix: Water

Analysis Batch: 293841

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			09/08/22 13:45	1
Surrogate	%Recovery	Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	100		63 - 135						
							Prepared	Analyzed	Dil Fac
								09/08/22 13:45	1

Lab Sample ID: LCS 410-293841/5

Matrix: Water

Analysis Batch: 293841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (1C)	1.10	0.972		mg/L		88	70 - 123		
Surrogate	%Recovery	Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	94		63 - 135						

Lab Sample ID: LCSD 410-293841/6

Matrix: Water

Analysis Batch: 293841

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)	1.10	0.981		mg/L		89	70 - 123	1	30
Surrogate	%Recovery	Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135						

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-292283/1-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
DRO (C10-C28)	ND		110	57	ug/L		09/02/22 07:49	09/02/22 19:27	1	
Surrogate	%Recovery	Qualifier	Limits							
o-terphenyl (Surr)	97		37 - 153							
							Prepared	Analyzed	Dil Fac	
								09/02/22 07:49	09/02/22 19:27	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 410-292283/2-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	2680	2380		ug/L		89	78 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -terphenyl (Surr)	125		37 - 153

Lab Sample ID: LCSD 410-292283/3-A

Matrix: Water

Analysis Batch: 292559

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 292283

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2670	2270		ug/L		85	78 - 133	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
<i>o</i> -terphenyl (Surr)	124		37 - 153

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

GC/MS VOA

Analysis Batch: 293315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96350-1	MW-7A	Total/NA	Water	8260C LL	
410-96350-2	RW-2	Total/NA	Water	8260C LL	
410-96350-3	MW-7B	Total/NA	Water	8260C LL	
410-96350-4	1608R	Total/NA	Water	8260C LL	
410-96350-4 - DL	1608R	Total/NA	Water	8260C LL	
MB 410-293315/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-293315/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-293315/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

Analysis Batch: 293894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96350-3	MW-7B	Total/NA	Water	8260C LL	
MB 410-293894/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-293894/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-293894/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 293422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96350-2	RW-2	Total/NA	Water	8015D	
410-96350-3	MW-7B	Total/NA	Water	8015D	
410-96350-4	1608R	Total/NA	Water	8015D	
MB 410-293422/4	Method Blank	Total/NA	Water	8015D	
LCS 410-293422/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-293422/6	Lab Control Sample Dup	Total/NA	Water	8015D	

Analysis Batch: 293841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96350-1	MW-7A	Total/NA	Water	8015D	
MB 410-293841/4	Method Blank	Total/NA	Water	8015D	
LCS 410-293841/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-293841/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 292283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96350-1	MW-7A	Total/NA	Water	3511	
410-96350-2	RW-2	Total/NA	Water	3511	
410-96350-3	MW-7B	Total/NA	Water	3511	
410-96350-4	1608R	Total/NA	Water	3511	
MB 410-292283/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 292559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96350-1	MW-7A	Total/NA	Water	8015D	292283
410-96350-2	RW-2	Total/NA	Water	8015D	292283
410-96350-3	MW-7B	Total/NA	Water	8015D	292283
410-96350-4	1608R	Total/NA	Water	8015D	292283

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

GC Semi VOA (Continued)

Analysis Batch: 292559 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-292283/1-A	Method Blank	Total/NA	Water	8015D	292283
LCS 410-292283/2-A	Lab Control Sample	Total/NA	Water	8015D	292283
LCSD 410-292283/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	292283

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Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Client Sample ID: MW-7A

Lab Sample ID: 410-96350-1

Date Collected: 08/29/22 10:25

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293315	DVW2	ELLE	09/07/22 11:14
Total/NA	Analysis	8015D		1	293841	MXX6	ELLE	09/08/22 20:37
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 02:11

Client Sample ID: RW-2

Lab Sample ID: 410-96350-2

Date Collected: 08/29/22 11:15

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293315	DVW2	ELLE	09/07/22 11:36
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 20:00
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 02:35

Client Sample ID: MW-7B

Lab Sample ID: 410-96350-3

Date Collected: 08/29/22 12:10

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293315	DVW2	ELLE	09/07/22 11:58
Total/NA	Analysis	8260C LL		1	293894	DVW2	ELLE	09/08/22 14:47
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 20:26
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 02:59

Client Sample ID: 1608R

Lab Sample ID: 410-96350-4

Date Collected: 08/29/22 13:10

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	293315	DVW2	ELLE	09/07/22 12:20
Total/NA	Analysis	8260C LL	DL	10	293315	DVW2	ELLE	09/07/22 12:42
Total/NA	Analysis	8015D		1	293422	NND8	ELLE	09/07/22 20:51
Total/NA	Prep	3511			292283	UMAD	ELLE	09/02/22 07:49
Total/NA	Analysis	8015D		1	292559	KP5X	ELLE	09/03/22 03:23

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	GRO (1C)
8015D	3511	Water	DRO (C10-C28)
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96350-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p>			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	trans-1,4-Dichloro-2-butene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030B	Purge and Trap	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96350-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-96350-1	MW-7A	Water	08/29/22 10:25	08/31/22 18:30
410-96350-2	RW-2	Water	08/29/22 11:15	08/31/22 18:30
410-96350-3	MW-7B	Water	08/29/22 12:10	08/31/22 18:30
410-96350-4	1608R	Water	08/29/22 13:10	08/31/22 18:30

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410-96350 Chain of Custody

Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested							For Lab Use Only			
Project Name/#: High's Store No. 141		Site ID #:		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Preservation Codes							SF #: _____			
Project Manager: Peter Reichardt		P.O. #: 0403343/06/206		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H	H	H					SCR #: _____			
Sampler: Jeff Plummer		PWSID #:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								Preservation Codes			
Phone #: 800-220-3606 x 3726		Quote #:		<input type="checkbox"/>	Potable	NPDES								H = HCl T = Thiosulfate			
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD				<input type="checkbox"/>	Water	Other:								N = HNO ₃ B = NaOH			
Sample Identification		Collection		Grab	Composite	Soil	Total # of Containers	Full Suite VOCs plus oxygenates and Naphthalene (8260)	TPH-GRO (8015B)	TPH-DRO (8015B)						Remarks	
		Date	Time														
MW-7A		8-29-22	1025	X			7	X	X	X						EQEDD file name:	
RW-2		↓	1115	X			7	X	X	X						High's Store No 141-	
MW-7B		↓	1210	X			7	X	X	X						lab report #.17962.	
1608 R		8-29-22	1310	X			7	X	X	X						EQEDD.zip	
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Jeff Plummer</i>			Date: 8-30-22	Time: 0800	Received by: <i>Janise Woodin</i>		Date: 8-30-22	Time: 0800					
Date results are needed:				Relinquished by: <i>Janise Woodin</i>			Date: 8-31-22	Time: 15:01	Received by: <i>John</i>		Date: 8/31/22	Time: 15:07					
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: <i>John</i>			Date: 8/31/22	Time: 17:59	Received by:		Date:	Time:					
E-mail Address: <u>midatlantic@gesonline.com & ges@equisonline.com</u>				Relinquished by:			Date:	Time:	Received by:		Date:	Time:					
Phone:				Relinquished by:			Date:	Time:	Received by:		Date:	Time:					
Data Package Options (please check if required)				Relinquished by:			Date:	Time:	Received by:		Date:	Time:					
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>				Relinquished by:			Date:	Time:	Received by: <i>Janise Woodin</i>		Date: 8/31/22	Time: 1830					
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>				Relinquished by:			Date:	Time:	Received by:		Date:	Time:					
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>				Relinquished by:			Date:	Time:	Received by:		Date:	Time:					
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:													
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				UPS _____ FedEx _____ Other _____							Temperature upon receipt: <u>4.8</u> °C						
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip																	

NK

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-96350-1

Login Number: 96350

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-96349-1

Client Project/Site: High's Store No. 141

For:

Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Attn: Peter Reichardt



Authorized for release by:

9/6/2022 8:18:37 AM

Amek Carter, Project Manager
(717)556-7252

Loran.Carter@et.eurofinsus.com

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Amek Carter".

Amek Carter
Project Manager
9/6/2022 8:18:38 AM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	11
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receipt Checklists	17

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Job ID: 410-96349-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-96349-1

Receipt

The sample was received on 8/31/2022 6:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 524.2_Preserved: Volatile compounds have been detected above the RL for the following sample: 1608-RAY-INF (410-96349-1). Since a field reagent blank/trip blank was not submitted, any potential contamination from the sampling/transport process cannot be assessed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Client Sample ID: 1608-RAY-INF

Lab Sample ID: 410-96349-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	3.8	cn	0.50	0.10	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

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- 14
- 15

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96349-1

Client Sample ID: 1608-RAY-INF

Lab Sample ID: 410-96349-1

Date Collected: 08/29/22 13:40

Matrix: Water

Date Received: 08/31/22 18:30

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Benzene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			09/01/22 18:43	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,2-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Methyl tertiary butyl ether	3.8	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			09/01/22 18:43	1
Naphthalene	ND	cn	0.50	0.20	ug/L			09/01/22 18:43	1
Styrene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Tetrachloroethene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Toluene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			09/01/22 18:43	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			09/01/22 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93	cn	80 - 120		09/01/22 18:43	1
1,2-Dichlorobenzene-d4 (Surr)	110	cn	80 - 120		09/01/22 18:43	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCZ
		(80-120)	(80-120)
410-96349-1	1608-RAY-INF	93 cn	110 cn
LCS 410-291978/5	Lab Control Sample	116	118
MB 410-291978/7	Method Blank	94	111

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4 (Surr)



QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96349-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-291978/7

Matrix: Water

Analysis Batch: 291978

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
t-Amyl methyl ether	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Benzene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
t-Butyl alcohol	ND		25	2.5	ug/L			09/01/22 14:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Chlorobenzene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
cis-1,2-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
trans-1,2-Dichloroethane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Ethylbenzene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Methylene Chloride	ND		0.50	0.20	ug/L			09/01/22 14:22	1
Naphthalene	ND		0.50	0.20	ug/L			09/01/22 14:22	1
Styrene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Tetrachloroethene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Toluene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			09/01/22 14:22	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Trichloroethene	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Vinyl chloride	ND		0.50	0.10	ug/L			09/01/22 14:22	1
Xylenes, Total	ND		0.50	0.10	ug/L			09/01/22 14:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	94		80 - 120		09/01/22 14:22	1
1,2-Dichlorobenzene-d4 (Surr)	111		80 - 120		09/01/22 14:22	1

Lab Sample ID: LCS 410-291978/5

Matrix: Water

Analysis Batch: 291978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
t-Amyl methyl ether	5.00	5.28		ug/L		106	70 - 130
Benzene	5.00	5.46		ug/L		109	70 - 130
t-Butyl alcohol	50.0	46.3		ug/L		93	70 - 130
Carbon tetrachloride	5.00	5.51		ug/L		110	70 - 130
Chlorobenzene	5.00	5.71		ug/L		114	70 - 130
1,2-Dichlorobenzene	5.00	5.62		ug/L		112	70 - 130
1,3-Dichlorobenzene	5.00	5.56		ug/L		111	70 - 130
1,2-Dichloroethane	5.00	5.20		ug/L		104	70 - 130
1,1-Dichloroethane	5.00	5.47		ug/L		109	70 - 130
cis-1,2-Dichloroethane	5.00	5.49		ug/L		110	70 - 130
trans-1,2-Dichloroethane	5.00	5.20		ug/L		104	70 - 130

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-96349-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-291978/5

Matrix: Water

Analysis Batch: 291978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1,2-Dichloropropane	5.00	5.43		ug/L		109	70 - 130
Ethyl t-butyl ether	5.00	5.43		ug/L		109	70 - 130
Ethylbenzene	5.00	5.57		ug/L		111	70 - 130
di-Isopropyl ether	5.00	5.38		ug/L		108	70 - 130
Methyl tertiary butyl ether	5.00	5.55		ug/L		111	70 - 130
Methylene Chloride	5.00	5.47		ug/L		109	70 - 130
Naphthalene	5.00	4.96		ug/L		99	70 - 130
Styrene	5.00	5.77		ug/L		115	70 - 130
Tetrachloroethene	5.00	5.96		ug/L		119	70 - 130
Toluene	5.00	5.41		ug/L		108	70 - 130
1,2,4-Trichlorobenzene	5.00	5.14		ug/L		103	70 - 130
1,1,1-Trichloroethane	5.00	5.54		ug/L		111	70 - 130
1,1,2-Trichloroethane	5.00	5.59		ug/L		112	70 - 130
Trichloroethene	5.00	5.27		ug/L		105	70 - 130
Vinyl chloride	2.00	2.03		ug/L		101	70 - 130
Xylenes, Total	15.0	16.5		ug/L		110	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	118		80 - 120

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

GC/MS VOA

Analysis Batch: 291978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-96349-1	1608-RAY-INF	Total/NA	Water	524.2	
MB 410-291978/7	Method Blank	Total/NA	Water	524.2	
LCS 410-291978/5	Lab Control Sample	Total/NA	Water	524.2	

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Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Client Sample ID: 1608-RAY-INF

Lab Sample ID: 410-96349-1

Date Collected: 08/29/22 13:40

Matrix: Water

Date Received: 08/31/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	291978	UJML	ELLE	09/01/22 18:43

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,3-Dichlorobenzene
524.2		Water	di-Isopropyl ether
524.2		Water	Ethyl t-butyl ether
524.2		Water	Methyl tertiary butyl ether
524.2		Water	Naphthalene
524.2		Water	t-Amyl methyl ether
524.2		Water	t-Butyl alcohol

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-96349-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-96349-1	1608-RAY-INF	Water	08/29/22 13:40	08/31/22 18:30

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410-96349 Chain of Custody

Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix				Analyses Requested								For Lab Use Only	
Project Name/ #: High's Store No. 141		Site ID #:		<input type="checkbox"/> Sediment		<input type="checkbox"/> Ground		Preservation Codes								SF #: _____	
Project Manager: Peter Reichardt		P.O. #: 0403343/06/209		<input type="checkbox"/> Potable		<input type="checkbox"/> Surface		H								SCR #: _____	
Sampler: <i>Jeff Plummer</i>		PWSID #:		<input checked="" type="checkbox"/> Water		<input type="checkbox"/> NPDES		Target VOCs List plus oxygenates and Naphthalene (524.2)								Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other	
Phone #: 800-220-3606 x 3726		Quote #:		<input type="checkbox"/> Soil		Other:		Total # of Containers								Remarks	
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD				<input type="checkbox"/> Composite													
Sample Identification		Collection		Grab		Composite											
<i>1603-RAY-INF</i>		<i>8/30/22</i>		<i>1340</i>		<i>X</i>		<i>3</i>								<i>X</i>	
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Jeff Plummer</i>		Date: <i>8-30-22</i>		Time: <i>0800</i>		Received by: <i>Denise Wording</i>		Date: <i>8-30-22</i>		Time: <i>0800</i>			
(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <i>Denise Wording</i>		Date: <i>8-31-22</i>		Time: <i>15:07</i>		Received by: <i>JH</i>		Date: <i>8/31/22</i>		Time: <i>15:07</i>			
Date results are needed:				Relinquished by: <i>JH</i>		Date: <i>8/31/22</i>		Time: <i>17:59</i>		Received by: <i>[Signature]</i>		Date: _____		Time: _____			
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
E-mail Address: <u>midatlantic@gesonline.com & ges@equisonline.com</u>				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
Phone: _____				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
Data Package Options (please check if required)				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
Type I (Validation/non-CLP) <input type="checkbox"/>		MA MCP <input type="checkbox"/>		Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
Type III (Reduced non-CLP) <input type="checkbox"/>		CT RCP <input type="checkbox"/>		Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
Type VI (Raw Data Only) <input type="checkbox"/>		TX TRRP-13 <input type="checkbox"/>		Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
UPS _____ FedEx _____ Other _____				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			
Temperature upon receipt <i>4.8</i> °C				Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____			

Ne

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-96349-1

Login Number: 96349

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Peter Reichardt
Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton Maryland 21113

Generated 11/25/2022 9:29:00 AM

JOB DESCRIPTION

High's Store No. 141

JOB NUMBER

410-106057-1



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	16
Lab Chronicle	17
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22
Appendix	23

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Job ID: 410-106057-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

**Job Narrative
410-106057-1**

Receipt

The samples were received on 11/17/2022 6:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 524.2_Preserved: Volatile compounds have been detected above the RL for the following sample: 1606-RAY-INF (410-106057-3). Since a field reagent blank/trip blank was not submitted, any potential contamination from the sampling/transport process cannot be assessed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: 1606-RAY-EFF

Lab Sample ID: 410-106057-1

No Detections.

Client Sample ID: 1606-RAY-MID2

Lab Sample ID: 410-106057-2

No Detections.

Client Sample ID: 1606-RAY-INF

Lab Sample ID: 410-106057-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.94	cn	0.50	0.10	ug/L	1		524.2	Total/NA
Tetrachloroethene	0.12	J cn	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: PW01-INF

Lab Sample ID: 410-106057-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.18	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: PW02-INF

Lab Sample ID: 410-106057-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.17	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: 1612-RAY-INF

Lab Sample ID: 410-106057-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.35	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: PW03-INF

Lab Sample ID: 410-106057-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: 1606-RAY-EFF

Lab Sample ID: 410-106057-1

Date Collected: 11/15/22 09:10

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 13:16	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 13:16	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 13:16	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 13:16	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 13:16	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 13:16	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		80 - 120		11/17/22 13:16	1
1,2-Dichlorobenzene-d4 (Surr)	90		80 - 120		11/17/22 13:16	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: 1606-RAY-MID2

Lab Sample ID: 410-106057-2

Date Collected: 11/15/22 09:15

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 13:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 13:39	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 13:39	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 13:39	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 13:39	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 13:39	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		80 - 120		11/17/22 13:39	1
1,2-Dichlorobenzene-d4 (Surr)	91		80 - 120		11/17/22 13:39	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: 1606-RAY-INF

Lab Sample ID: 410-106057-3

Date Collected: 11/15/22 09:20

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Benzene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			11/17/22 14:02	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,2-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Methyl tertiary butyl ether	0.94	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			11/17/22 14:02	1
Naphthalene	ND	cn	0.50	0.20	ug/L			11/17/22 14:02	1
Styrene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Tetrachloroethene	0.12	J cn	0.50	0.10	ug/L			11/17/22 14:02	1
Toluene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			11/17/22 14:02	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			11/17/22 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86	cn	80 - 120					11/17/22 14:02	1
1,2-Dichlorobenzene-d4 (Surr)	89	cn	80 - 120					11/17/22 14:02	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: PW01-INF

Lab Sample ID: 410-106057-4

Date Collected: 11/15/22 09:40

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 14:25	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Methyl tertiary butyl ether	0.18	J	0.50	0.10	ug/L			11/17/22 14:25	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 14:25	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 14:25	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 14:25	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 14:25	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 14:25	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		80 - 120		11/17/22 14:25	1
1,2-Dichlorobenzene-d4 (Surr)	90		80 - 120		11/17/22 14:25	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: PW02-INF

Lab Sample ID: 410-106057-5

Date Collected: 11/15/22 09:45

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 14:49	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Methyl tertiary butyl ether	0.17	J	0.50	0.10	ug/L			11/17/22 14:49	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 14:49	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 14:49	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 14:49	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 14:49	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		80 - 120					11/17/22 14:49	1
1,2-Dichlorobenzene-d4 (Surr)	90		80 - 120					11/17/22 14:49	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: 1612-RAY-INF

Lab Sample ID: 410-106057-6

Date Collected: 11/15/22 10:10

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 15:12	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Methyl tertiary butyl ether	0.35	J	0.50	0.10	ug/L			11/17/22 15:12	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 15:12	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 15:12	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 15:12	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 15:12	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 15:12	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		80 - 120		11/17/22 15:12	1
1,2-Dichlorobenzene-d4 (Surr)	91		80 - 120		11/17/22 15:12	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: PW03-INF

Lab Sample ID: 410-106057-7

Date Collected: 11/15/22 10:30

Matrix: Water

Date Received: 11/17/22 18:23

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 15:35	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 15:35	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 15:35	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 15:35	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 15:35	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		80 - 120					11/17/22 15:35	1
1,2-Dichlorobenzene-d4 (Surr)	91		80 - 120					11/17/22 15:35	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCZ
		(80-120)	(80-120)
410-106057-1	1606-RAY-EFF	86	90
410-106057-2	1606-RAY-MID2	88	91
410-106057-3	1606-RAY-INF	86 cn	89 cn
410-106057-4	PW01-INF	86	90
410-106057-5	PW02-INF	85	90
410-106057-6	1612-RAY-INF	86	91
410-106057-7	PW03-INF	87	91
LCS 410-318613/5	Lab Control Sample	98	98
MB 410-318613/7	Method Blank	87	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-318613/7

Matrix: Water

Analysis Batch: 318613

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
t-Amyl methyl ether	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Benzene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
t-Butyl alcohol	ND		25	2.5	ug/L			11/17/22 12:52	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Chlorobenzene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
cis-1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
trans-1,2-Dichloroethane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Ethylbenzene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Methylene Chloride	ND		0.50	0.20	ug/L			11/17/22 12:52	1
Naphthalene	ND		0.50	0.20	ug/L			11/17/22 12:52	1
Styrene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Toluene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			11/17/22 12:52	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Trichloroethene	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Vinyl chloride	ND		0.50	0.10	ug/L			11/17/22 12:52	1
Xylenes, Total	ND		0.50	0.10	ug/L			11/17/22 12:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	87		80 - 120		11/17/22 12:52	1
1,2-Dichlorobenzene-d4 (Surr)	89		80 - 120		11/17/22 12:52	1

Lab Sample ID: LCS 410-318613/5

Matrix: Water

Analysis Batch: 318613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
t-Amyl methyl ether	5.00	4.48		ug/L		90	70 - 130
Benzene	5.00	5.31		ug/L		106	70 - 130
t-Butyl alcohol	50.0	40.1		ug/L		80	70 - 130
Carbon tetrachloride	5.00	4.76		ug/L		95	70 - 130
Chlorobenzene	5.00	5.33		ug/L		107	70 - 130
1,2-Dichlorobenzene	5.00	5.10		ug/L		102	70 - 130
1,3-Dichlorobenzene	5.00	5.09		ug/L		102	70 - 130
1,2-Dichloroethane	5.00	4.66		ug/L		93	70 - 130
1,1-Dichloroethane	5.00	5.01		ug/L		100	70 - 130
cis-1,2-Dichloroethane	5.00	5.27		ug/L		105	70 - 130
trans-1,2-Dichloroethane	5.00	4.90		ug/L		98	70 - 130

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: High's Store No. 141

Job ID: 410-106057-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-318613/5

Matrix: Water

Analysis Batch: 318613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1,2-Dichloropropane	5.00	5.53		ug/L		111	70 - 130
Ethyl t-butyl ether	5.00	4.77		ug/L		95	70 - 130
Ethylbenzene	5.00	5.02		ug/L		100	70 - 130
di-Isopropyl ether	5.00	4.68		ug/L		94	70 - 130
Methyl tertiary butyl ether	5.00	4.45		ug/L		89	70 - 130
Methylene Chloride	5.00	4.89		ug/L		98	70 - 130
Naphthalene	5.00	3.82		ug/L		76	70 - 130
Styrene	5.00	5.15		ug/L		103	70 - 130
Tetrachloroethene	5.00	5.17		ug/L		103	70 - 130
Toluene	5.00	5.14		ug/L		103	70 - 130
1,2,4-Trichlorobenzene	5.00	4.22		ug/L		84	70 - 130
1,1,1-Trichloroethane	5.00	4.54		ug/L		91	70 - 130
1,1,2-Trichloroethane	5.00	5.46		ug/L		109	70 - 130
Trichloroethene	5.00	4.94		ug/L		99	70 - 130
Vinyl chloride	2.00	1.93		ug/L		96	70 - 130
Xylenes, Total	15.0	15.1		ug/L		101	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	98		80 - 120

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

GC/MS VOA

Analysis Batch: 318613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-106057-1	1606-RAY-EFF	Total/NA	Water	524.2	
410-106057-2	1606-RAY-MID2	Total/NA	Water	524.2	
410-106057-3	1606-RAY-INF	Total/NA	Water	524.2	
410-106057-4	PW01-INF	Total/NA	Water	524.2	
410-106057-5	PW02-INF	Total/NA	Water	524.2	
410-106057-6	1612-RAY-INF	Total/NA	Water	524.2	
410-106057-7	PW03-INF	Total/NA	Water	524.2	
MB 410-318613/7	Method Blank	Total/NA	Water	524.2	
LCS 410-318613/5	Lab Control Sample	Total/NA	Water	524.2	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Client Sample ID: 1606-RAY-EFF

Lab Sample ID: 410-106057-1

Date Collected: 11/15/22 09:10

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 13:16

Client Sample ID: 1606-RAY-MID2

Lab Sample ID: 410-106057-2

Date Collected: 11/15/22 09:15

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 13:39

Client Sample ID: 1606-RAY-INF

Lab Sample ID: 410-106057-3

Date Collected: 11/15/22 09:20

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 14:02

Client Sample ID: PW01-INF

Lab Sample ID: 410-106057-4

Date Collected: 11/15/22 09:40

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 14:25

Client Sample ID: PW02-INF

Lab Sample ID: 410-106057-5

Date Collected: 11/15/22 09:45

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 14:49

Client Sample ID: 1612-RAY-INF

Lab Sample ID: 410-106057-6

Date Collected: 11/15/22 10:10

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 15:12

Client Sample ID: PW03-INF

Lab Sample ID: 410-106057-7

Date Collected: 11/15/22 10:30

Matrix: Water

Date Received: 11/17/22 18:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	318613	UJML	ELLE	11/17/22 15:35

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,3-Dichlorobenzene
524.2		Water	di-Isopropyl ether
524.2		Water	Ethyl t-butyl ether
524.2		Water	Methyl tertiary butyl ether
524.2		Water	Naphthalene
524.2		Water	t-Amyl methyl ether
524.2		Water	t-Butyl alcohol



Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



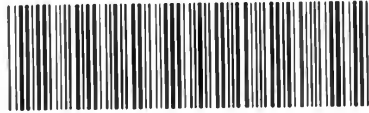
Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: High's Store No. 141

Job ID: 410-106057-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-106057-1	1606-RAY-EFF	Water	11/15/22 09:10	11/17/22 18:23
410-106057-2	1606-RAY-MID2	Water	11/15/22 09:15	11/17/22 18:23
410-106057-3	1606-RAY-INF	Water	11/15/22 09:20	11/17/22 18:23
410-106057-4	PW01-INF	Water	11/15/22 09:40	11/17/22 18:23
410-106057-5	PW02-INF	Water	11/15/22 09:45	11/17/22 18:23
410-106057-6	1612-RAY-INF	Water	11/15/22 10:10	11/17/22 18:23
410-106057-7	PW03-INF	Water	11/15/22 10:30	11/17/22 18:23

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410-106057 Chain of Custody

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.		Matrix			Analyses Requested										For Lab Use Only										
Project Name/#: High's Store No. 141		Site ID #:			Preservation Codes										SF #: _____										
Project Manager: Peter Reichardt		P.O. #: 0403421/06/209			H										SCR #: _____										
Sample: <i>Jeff Plummer</i>		PWSID #:			Target VOCs List plus oxygenates and Naphthalene (524,2)										Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other										
Phone #: 800-220-3606 x 3726		Quote #:																							
State where sample(s) were collected: 19200 Middletown Rd, Parkton, MD																									
Sample Identification		Collection		Grab	Composite	Soil	Potable Water	Ground Water	Surface	NPDES	Other:	Total # of Containers												Remarks	
Date	Time																								
<i>1606-RAY-EFF</i>	<i>11-15-22</i>	<i>0910</i>	<i>X</i>					<i>X</i>				<i>3</i>	<i>X</i>												EQEDD file name:
<i>1606-RAY-MID2</i>		<i>0915</i>																							High's Store No 141-
<i>1606-RAY-INF</i>		<i>0920</i>																							lab report #.17962.
<i>PW01-INF</i>		<i>0940</i>																							EQEDD.zip
<i>PW02-INF</i>		<i>0945</i>																							Send invoice to:
<i>1612-RAY-INF</i>		<i>1010</i>						<i>X</i>																	ges-invoices@
<i>PW03-INF</i>	<i>11-15-22</i>	<i>1030</i>	<i>X</i>					<i>X</i>				<i>3</i>	<i>X</i>												gesonline.com &
																								include PO #	
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: <i>Jeff Plummer</i>				Date: <i>11-16-22</i> Time: <i>0800</i>				Received by: <i>Denise Woodin</i>				Date: <i>11-16-22</i> Time: <i>0800</i>									
(Rush TAT is subject to laboratory approval and surcharges.)				Date results are needed:				Relinquished by: <i>Denise Woodin</i>				Date: <i>11-16-22</i> Time: <i>1440</i>				Received by: <i>JEK</i>				Date: <i>11/16/22</i> Time: <i>14:40</i>					
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by: <i>JEK</i>				Date: <i>11/16/22</i> Time: <i>18:23</i>				Received by: _____				Date: _____ Time: _____									
E-mail Address: <i>midatlantic@gesonline.com & ges@equisonline.com</i>				Relinquished by: _____				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
Phone: _____				Relinquished by: _____				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
Data Package Options (please check if required)				Relinquished by: _____				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>				Relinquished by: _____				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>				Relinquished by: _____				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>				Relinquished by: _____				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B				Relinquished by Commercial Carrier:				Date: _____ Time: _____				Received by: _____				Date: _____ Time: _____									
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				UPS _____ FedEx _____ Other _____				Temperature upon receipt <i>0.6</i> °C																	
EQEDD Name: High's Store No 141-lab report #.17962.EQEDD.zip																									

SR

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-106057-1

Login Number: 106057

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Roth, Stephanie

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
11/25/2022 9:29:00 AM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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APPENDIX C

Monitoring Well Sampling Data Sheets

GROUNDWATER SAMPLING/LIQUID LEVEL DATA SHEET

CLIENT/PROJECT: Carroll Wally's

DATE: 8/22/22

ADDRESS/SITE NUMBER: 19200 Middletown Rd, Parkton, MD

GES PERSONNEL: Jama

WEATHER: Partly cloudy / sunny 82°

WELL	DTW	DTP	TDW	Well Dia.	P	B	S	Vol	DO	pH	Temp °C	ORP	NTU	Cond.	Time	Comments
MW-1	40.11	—														
MW-2	39.78	—														
MW-3	Caved w/c a															
MW-4	38.97	—														
MW-5	39.33	—														
MW-5B	40.52	—														
MW-6	44.22	—														
MW-7A	43.79	—														
MW-7B	39.22	—														
MW-8A	38.39	—														
MW-8B	39.45	—														
MW-9A	40.92	—														
MW-9B	38.99	—														
MW-10A	40.85	—														
MW-10B	39.62	—														
MW-11A	43.85	—														
MW-11B	43.87	—														
MW-12B	43.79	—														
MW-13A																
MW-13B																
MW-14A	44.12	—														
MW-14B	42.05	—														
MW-15	48.09	—														
MW-16A	43.26	—														
MW-16B	43.99	—														
MW-17A	32.34	—														
MW-17B	33.11	—														

KEY: DTW = depth to water P = pump in well S = sorbent sock in well
 DTP = depth to product B = bailer in well Vol = volume bailed (gallons)

Additional Comments: _____

Groundwater Sampling Data Collection Sheet



Well ID:	<i>MW-1</i>	Site ID:	High's Store No. 141	Sample Date:	<i>8-24-22</i>
Initial DTW / Time:	<i>2'</i>	Address:	19200 Middletown Rd		
Well Diameter:		Sample Method (circle one)	Parkton, MD		
Total Well Depth:		<u>Low Flow</u>	Sampling Tech(s): <i>J. Plummer</i>		
Water Column Length:		Purge/sample	Weather Conditions: <i>Sunny 84°</i>		
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =		

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
<i>1315</i>	<i>42.66</i>	Just prior to lowering any equipment into well								
<i>1320</i>	<i>42.60</i>	After lowering equipment into the well & before turning on the pump								
<i>1320</i>	Purge Start Time									
<i>1325</i>	<i>43.05</i>	<i>20.14</i>	<i>1.313</i>	<i>5.18</i>	<i>5.10</i>	<i>214.1</i>	<i>300 ml/min</i>		<i>clear</i>	
<i>1330</i>	<i>43.00</i>	<i>20.02</i>	<i>1.317</i>	<i>5.15</i>	<i>5.09</i>	<i>217.2</i>				
<i>1335</i>	<i>43.06</i>	<i>20.14</i>	<i>1.317</i>	<i>5.07</i>	<i>5.08</i>	<i>217.4</i>				
<i>1340</i>	<i>43.06</i>	<i>20.33</i>	<i>1.323</i>	<i>5.03</i>	<i>5.09</i>	<i>215.1</i>				
<i>1345</i>	<i>43.06</i>	<i>20.53</i>	<i>1.323</i>	<i>5.05</i>	<i>5.08</i>	<i>214.4</i>	↓	<i>2 gallons</i>	↓	
<i>1350</i>	Sample Collection Time									
	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Sample Collection Time								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: MW-2		Site ID: High's Store No. 141		Sample Date: 8-24-22						
Initial DTW / Time:		Address: 19200 Middletown Rd								
Well Diameter: 2"	Sample Method (circle one) Low Flow		Parkton, MD							
Total Well Depth:			Sampling Tech(s): J. Plummer							
Water Column Length:	Purge/sample		Weather Conditions: Sunny 84°							
Pump Intake depth:	Grab/No Pruge		Air Temp (°F) =							
Data Collection: Low Flow										
Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1220	41.95	Just prior to lowering any equipment into well								
1225	41.53	After lowering equipment into the well & before turning on the pump								
1225	Purge Start Time		5:24							
1230	41.70	20.71	0.894	6	5.51	188.8	300 ml/min	clear		
1235	41.70	19.68	0.878	5.60	5.49	193.0				
1240	41.70	19.38	0.878	5.62	5.48	194.4				
1245	41.70	19.44	0.876	5.56	5.47	196.1				
1250	41.70	19.28	0.874	5.56	5.47	195.5	2 gallons			
1255	Sample Collection Time									
	Purge Stop Time									
Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						
General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):										

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	11113		Site ID:	High's Store No. 141	Sample Date:	8-25-22
Initial DTW / Time:	2'		Address:	19200 Middletown Rd		
Well Diameter:				Parkton, MD		
Total Well Depth:			Sample Method (circle one)	Low Flow		
Water Column Length:			Purge/sample	Sampling Tech(s): Jeff Plummer		
Pump Intake depth:			Grab/No Pruge	Weather Conditions: Sunny 88°		
Air Temp (°F) =						

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1315	41.64	Just prior to lowering any equipment into well								
1320	41.64	After lowering equipment into the well & before turning on the pump								
1320	Purge Start Time									
1325	41.77	18.21	1.689	1.44	5.73	137.7	300ml/min	clear		
1330	41.77	18.36	1.670	1.34	5.72	137.6				
1335	41.77	18.15	1.554	1.24	5.71	138.8				
1340	41.77	18.27	1.512	1.19	5.69	139.7				
1345	41.77	18.35	1.482	1.16	5.66	141.0				
1350	41.77	18.24	1.455	1.11	5.66	142.3		214 gallons		
1355		Sample Collection Time								
		Purge Stop Time								

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								
		Sample Collection Time								

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water

4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	<i>MW-4</i>	Site ID:	High's Store No. 141	Sample Date:	<i>8/25/22</i>
Initial DTW / Time:		Address:	19200 Middletown Rd		
Well Diameter:	<i>2"</i>	Sample Method (circle one) <u>Low Flow</u> Purge/sample Grab/No Pruge	Parkton, MD		
Total Well Depth:			Sampling Tech(s): <i>J. Pummer</i>		
Water Column Length:			Weather Conditions: <i>Sunny 84°</i>		
Pump Intake depth:		Air Temp (°F) =			

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
<i>1220</i>	<i>41:42</i>	Just prior to lowering any equipment into well								
<i>1225</i>	<i>41:56</i>	After lowering equipment into the well & before turning on the pump								
<i>1225</i>	Purge Start Time									
<i>1230</i>	<i>43:47</i>	<i>17.85</i>	<i>6.326</i>	<i>7.98</i>	<i>4.98</i>	<i>191.5</i>	<i>300ml/min</i>		<i>clear</i>	
<i>1235</i>	<i>43:53</i>	<i>18.40</i>	<i>6.316</i>	<i>7.61</i>	<i>4.92</i>	<i>191.0</i>				
<i>1240</i>	<i>43:50</i>	<i>18.66</i>	<i>6.332</i>	<i>7.46</i>	<i>4.98</i>	<i>195.2</i>				
<i>1245</i>	<i>44:01</i>	<i>18.61</i>	<i>6.271</i>	<i>7.31</i>	<i>4.96</i>	<i>198.4</i>				
<i>1250</i>	<i>44:20</i>	<i>18.54</i>	<i>6.167</i>	<i>7.23</i>	<i>4.96</i>	<i>198.4</i>		<i>2 gallons</i>		
<i>1255</i>	Sample Collection Time									
	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								
		Sample Collection Time								

General Comment & Type of Equipment Used (pumps/YSI meter/etc./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW-5B	Site ID:	High's Store No. 141	Sample Date:	8-24-22
Initial DTW / Time:		Address:	19200 Middletown Rd		
Well Diameter:	6"	Sample Method (circle one) Low Flow	Parkton, MD		
Total Well Depth:			Sampling Tech(s): Jeff Plummer		
Water Column Length:			Weather Conditions: Sunny 86'		
Pump Intake depth:		Purge/sample Grab/No Pruge	Air Temp (°F) =		

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1420	41.95	Just prior to lowering any equipment into well								
1425	41.85	After lowering equipment into the well & before turning on the pump								
1425	Purge Start Time									
1430	42.30	20.04	1.536	0.92	7.71	-35.7	300 ml/min		Clear	
1435	42.55	20.55	1.534	0.67	8.08	-35.9				
1440	42.75	20.02	1.631	0.56	8.33	-34.3				
1445	42.93	20.25	1.628	0.52	8.40	-36.7				
1450	43.10	20.53	1.629	0.47	8.50	-35.7				
1455	43.25	20.77	1.628	0.42	8.53	-43.3				2 1/4 gallons
1500	Sample Collection Time									
	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW-5	Site ID:	High's Store No. 141	Sample Date:	8/29/02
Initial DTW / Time:	91.837	Address:	19200 Middletown Rd		
Well Diameter:	2"	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		Low Flow	Sampling Tech(s):	Obama	
Water Column Length:		Purge/sample	Weather Conditions:	89° sunny	
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =	89° sunny	

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1:05	91.83	Just prior to lowering any equipment into well								
1:15	90.17	After lowering equipment into the well & before turning on the pump								
1:20		Purge Start Time								
1:25	43.81	17.31	0.768	0.94	5.68	-25.8	.25	.25	clear	2nd add
1:30	43.93	17.89	0.757	0.18	5.71	-26.2	.25	.50	clear	3rd add
1:35	44.97	17.73	0.762	0.19	5.81	-29.0	.25	1	clear	4th add
1:40	46.06	17.52	0.687	0.10	5.79	-25.9		2.5	clear	5th add
1:45	46.18	17.80	0.690	0.08	5.82	-32.1		3.5	clear	6th add
1:50	46.30	17.81	0.689	0.08	5.85	-32.5		4.5	clear	7th add
1:55		Sample Collection Time 13:55								
2:00		Purge Stop Time								

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Sample Collection Time								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW-6		Site ID:	High's Store No. 141	Sample Date:	3-24-22
Initial DTW / Time:			Address:	19200 Middletown Rd		
Well Diameter:	2"	Sample Method (circle one) <u>Low Flow</u> Purge/sample Grab/No Pruge	Parkton, MD			
Total Well Depth:			Sampling Tech(s): J. Plummer			
Water Column Length:			Weather Conditions: clear 82°			
Pump Intake depth:			Air Temp (°F) =			

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1125	44.41	Just prior to lowering any equipment into well								
1135	44.32	After lowering equipment into the well & before turning on the pump								
1135	Purge Start Time									
1140	44.90	18.81	2.369	4.09	4.95	225.4	300 ml/min		clear	
1145	44.92	19.49	2.408	4.16	4.84	221.6	↓			
1150	44.92	19.30	2.417	4.15	4.79	229.6	↓			
1155	44.92	19.08	2.424	4.21	4.76	230.6	↓			
1200	44.92	18.86	2.426	4.21	4.74	231.0	↓	2 gallons	↓	

1205 Sample Collection Time

Purge Stop Time

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										

Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x ____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x ____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MM-7B		Site ID:	High's Store No. 141	Sample Date:	8-29-22
Initial DTW / Time:			Address:	19200 Middletown Rd		
Well Diameter:	10"	Sample Method (circle one) <u>Low Flow</u> Purge/sample Grab/No Pruge	Parkton, MD			
Total Well Depth:	Sampling Tech(s): J. Plummer					
Water Column Length:	Weather Conditions: Partly Cloudy 84°					
Pump Intake depth:	Air Temp (°F) =					

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
Just prior to lowering any equipment into well										
After lowering equipment into the well & before turning on the pump										
Purge Start Time										
1130	42.53	15.70	1.022	0.81	8.10	-230.2	300 mL/min		clear	
1135	42.30	16.00	1.023	0.59	9.07	-251.9				
1140	42.58	16.71	1.022	0.57	9.15	-241.1				
1145	42.78	16.80	1.023	0.54	9.11	-232.1				
1150	42.96	16.98	1.025	0.57	9.07	-228.1				
1155	43.14	17.12	1.026	0.61	9.07	-220.6				
1200	43.30									
1205	43.46									
↓ 210 gallons ↓										
Sample Collection Time										
Purge Stop Time										

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MM8A	Site ID:	Carroll - Wally's	Sample Date:	8/24/22
Initial DTW / Time:	40.91/1:30	Address:	19200 Middletown Rd		
Well Diameter:	6"	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		Low Flow	Sampling Tech(s):	Bama	
Water Column Length:		Purge/sample	Weather Conditions:	90° sunny	
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =	90° sunny	

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1:30	40.91	Just prior to lowering any equipment into well								
1:35	40.78	After lowering equipment into the well & before turning on the pump								
1:40	Purge Start Time									
1:45	41.71	16.57	1.033	0.93	5.71	120.5	1	1	Clear	
1:50	42.09	16.63	1.043	0.78	5.73	118.4	1	2	Clear	
1:55	42.21	16.87	1.047	0.75	5.71	121.1	1	3	Clear	
2:00	41.91	16.90	1.048	0.74	5.76	125.8	1	4	Clear	
2:05	Sample Collection Time (1:45)									
2:10	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								

General Comment & Type of Equipment Used (pumps/YSI meter/etc./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

- 2-inch diameter well: 0.16 gal./ft x ____ (linear feet of water) = gallons of water
- 4-inch diameter well: 0.65 gal./ft x ____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW-85	Site ID:	High's Store No. 141	Sample Date:	8/24/20
Initial DTW / Time:	41.25 / 12:30	Address:	19200 Middletown Rd		
Well Diameter:	6"	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		Low Flow	Sampling Tech(s):	JDM/19	
Water Column Length:		Purge/sample	Weather Conditions:	89° sunny	
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =		

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1230	41.25	Just prior to lowering any equipment into well								
1240	41.02	After lowering equipment into the well & before turning on the pump								
1245	Purge Start Time									
1250	41.79	16.48	0.162	0.54	7.41	-168.1	1	1	Clear	
1255	42.09	16.66	0.162	0.17	7.48	-190.2	1	2	Clear	
1300	42.34	16.80	0.163	0.11	7.57	-168.9	1	3	Clear	
1305	42.65	17.01	0.164	0.10	7.61	-160.1	1	4	Clear	
1310	42.93	17.10	0.164	0.11	7.66	-159.3	1	5	Clear	
1315	Sample Collection Time (1315)									
1320	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								
		Sample Collection Time								

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	mw-94	Site ID:	High's Store No. 141	Sample Date:	8/24/22
Initial DTW / Time:	40.92/1005	Address:	19200 Middletown Rd		
Well Diameter:	6.1		Parkton, MD		
Total Well Depth:		Sample Method (circle one)	Sampling Tech(s):		
Water Column Length:		Low Flow	Weather Conditions:	89° Sunny	
Pump Intake depth:		Purge/sample	Air Temp (°F) =		
		Grab/No Pruge			

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1005	40.92	Just prior to lowering any equipment into well								
1010	40.89	After lowering equipment into the well & before turning on the pump								
1015	Purge Start Time									
1020	41.35	15.57	0.373	0.69	6.17	-18.2		5 gal	clear-yellowish	
1025	41.58	16.25	0.377	0.66	6.07	-8.4		1.5	clear-yellow	
1030	41.67	16.49	0.385	0.71	6.10	-7.3		2	clear-yellow	
1035	41.74	16.84	0.379	0.68	6.04	-10.3		2.5	clear-yellow	
1040	41.73	17.25	0.385	0.70	6.08	-6.9		3	clear-yellow	
1045	Sample Collection Time									
1050	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Sample Collection Time								
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

2-inch diameter well:
 0.16 gal./ft x ____ (linear feet of water) = gallons of water

4-inch diameter well:
 0.65 gal./ft x ____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: MW-913	Site ID: High's Store No. 141	Sample Date: 8/24/22
Initial DTW / Time: 39.08 / 11:10	Address: 19200 Middletown Rd	
Well Diameter: 6" <i>Sample Method (circle one)</i>	Parkton, MD	
Total Well Depth:	Low Flow	Sampling Tech(s): Joana
Water Column Length:	Purge/sample	Weather Conditions: 90° Sunny
Pump Intake depth:	Grab/No Pruge	Air Temp (°F) =

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1110	39.08	Just prior to lowering any equipment into well								
1120	38.99	After lowering equipment into the well & before turning on the pump								
1125	Purge Start Time									
1130	39.99	15.93	0.185	0.56	7.76	-121.6	1.5	1.5 gal	clear yellow	
1135	40.27	15.70	0.185	0.26	8.04	-137.7		2.5	clear yellow	
1140	40.42	15.91	0.195	0.23	8.35	-136		3.5	clear yellow	
1145	40.69	16.10	0.200	0.26	8.42	-141.8		4	clear yellow	
1150	40.91	16.23	0.201	0.27	8.44	-155.1		4.5	clear yellow	
1155	Sample Collection Time									
1200	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW-1113		Site ID:	High's Store No. 141	Sample Date:	8/23/20
Initial DTW / Time:			Address:	19200 Middletown Rd		
Well Diameter:	4	Sample Method (circle one)	Parkton, MD			
Total Well Depth:			Low Flow	Sampling Tech(s): Diana		
Water Column Length:			Purge/sample	Weather Conditions: Sun, partly cloudy		
Pump Intake depth:			Grab/No Pruge	Air Temp (°F) =		

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1:30	44.12	Just prior to lowering any equipment into well								
1:35	43.92	After lowering equipment into the well & before turning on the pump								
1:40	Purge Start Time									
1:45	44.21	6.31	1.558	0.70	7.09	-94.8		.25	Clear	
1:50	44.34	6.66	1.624	0.62	7.09	-80.1		.30	Clear	
1:55	44.95	6.63	1.602	0.34	7.11	-110.9		.75	Clear	
2:03	45.45	6.57	1.543	0.20	7.21	-145.0		1	Clear	
2:05	45.78	6.58	1.592	0.18	7.25	-147.8		1.5	Clear	
2:10	45.92	5.29	1.980	0.19	7.28	-135.5		2.5	Clear	
Sample Collection Time		2:15 (1415)								
Purge Stop Time		2:20 (1420)								

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential
 ± 10% for dissolved oxygen

Purge Volumes:

2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW44		Site ID:	High's Store No. 141	Sample Date:	8/25/20
Initial DTW / Time:	44.12/955		Address:	19200 Middletown Rd		
Well Diameter:	6" H	Sample Method (circle one) Low Flow	Parkton, MD			
Total Well Depth:			Sampling Tech(s): J. V. V. V.			
Water Column Length:			Weather Conditions: 89° Sunny			
Pump Intake depth:			Air Temp (°F) =			

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
955	44.12	Just prior to lowering any equipment into well								
1005	44.09	After lowering equipment into the well & before turning on the pump								
1010	Purge Start Time									
1015	44.29	17.85	0.638	1.27	5.27	153.2	.25	22.5 gal	Clear	
1020	44.24	17.88	0.643	1.16	5.31	149.3	.3	.50	Clear	
1025	44.31	18.36	0.664	1.18	5.44	142.7	.25	.75	Clear	
1030	44.33	18.40	0.668	1.37	5.47	142.8	.25	1.25	Clear	
1035	44.36	18.07	0.649	1.29	5.41	149.9	.25	2.25	Clear	
1040	Sample Collection Time									
1045	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

2-inch diameter well:
0.16 gal./ft x ____ (linear feet of water) = gallons of water

4-inch diameter well:
0.65 gal./ft x ____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MN44B	Site ID:	High's Store No. 141	Sample Date:	8/25/22
Initial DTW / Time:	42.28 / 1050	Address:	19200 Middletown Rd		
Well Diameter:	6"	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		Low Flow	Sampling Tech(s):	Jama	
Water Column Length:		Purge/sample	Weather Conditions:	89° Sunny	
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =		

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1050	42.28	Just prior to lowering any equipment into well								
1100	42.05	After lowering equipment into the well & before turning on the pump								
1105	Purge Start Time									
1110	42.38	19.44	0.466	1.26	6.73	112.6	0.25	0.25	Clear	
1115	42.61	17.69	0.452	0.43	6.82	-17.4		1	Clear	
1120	42.99	18.13	0.458	0.28	7.05	-30.7		2	Clear	
1125	43.19	18.22	0.462	0.21	7.15	1.1		3	Clear	
1130	43.51	17.98	0.458	0.22	7.17	4.3		4	Clear	
1135	43.97	17.93	0.457	0.19	7.22	10.8		5	Clear	

1140 Sample Collection Time

1145 Purge Stop Time

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential
 ± 10% for dissolved oxygen

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW-15	Site ID:	High's Store No. 141	Sample Date:	8/29/22
Initial DTW / Time:	48.45/9:40	Address:	19200 Middletown Rd		
Well Diameter:	6"	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		Low Flow	Sampling Tech(s):	Stanna	
Water Column Length:		Purge/sample	Weather Conditions:	89° Sunny/Cloudy	
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =	89° Sunny/Cloudy	

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
940	48.45	Just prior to lowering any equipment into well								
955	48.43	After lowering equipment into the well & before turning on the pump								
1000	Purge Start Time									
1005	48.89	15.29	0.631	0.72	5.03	36.8	25	25	Clear	
1010	48.91	15.69	0.638	0.70	5.01	33.6	25	50	Clear	
1015	48.97	15.90	0.640	0.71	5.03	37.3	25	75	Clear	
1020	48.98	16.18	0.775	0.72	5.04	140.9	1	76	Clear	
1025	48.96	16.20	0.770	0.73	5.06	34.4	1	77	Clear	
1030	48.94	16.47	0.776	0.74	5.08	129.5	1	78	Clear	
1035	Sample Collection Time									
1040	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								
		Sample Collection Time								

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	Amy 16A	Site ID:	Carroll - Wally's	Sample Date:	8/26/22
Initial DTW / Time:		Address:	19200 Middletown Rd		
Well Diameter:	6" <i>GI</i>	<i>Sample Method (circle one)</i> Low Flow Purge/sample Grab/No Pruge	Parkton, MD		
Total Well Depth:			Sampling Tech(s): <i>JLAMY</i>		
Water Column Length:			Weather Conditions: <i>89° SUNY</i>		
Pump Intake depth:			Air Temp (°F) = <i>89°</i>		

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1035	43.60	Just prior to lowering any equipment into well								
1045	43.48	After lowering equipment into the well & before turning on the pump								
1050	Purge Start Time									
1055	43.54	5.03	1.313	3.21	5.01	173.9	.25	.25	<i>Clear</i>	
1100	43.63	4.94	1.313	3.11	4.91	187.6		.2	<i>Clear</i>	
1105	43.67	5.58	1.330	2.99	4.90	194.3		.3	<i>Clear</i>	
1110	43.58	5.79	1.339	3.00	4.90	197.3		.4	<i>Clear</i>	
1115	43.60	5.80	1.338	3.02	4.83	192.1		.5	<i>Clear</i>	
1120	Sample Collection Time									
1125	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW 16B	Site ID:	Carroll - Wally's	Sample Date:	8/26/22
Initial DTW / Time:	44.18 / 9:30	Address:	19200 Middletown Rd		
Well Diameter:	6" <i>Sample Method (circle one)</i>		Parkton, MD		
Total Well Depth:		<input checked="" type="radio"/> Low Flow	Sampling Tech(s):	Janna	
Water Column Length:		<input type="radio"/> Purge/sample	Weather Conditions:	89° sunny/partly cloudy	
Pump Intake depth:		<input type="radio"/> Grab/No Pruge	Air Temp (°F) =	89°	

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
930	44.18	Just prior to lowering any equipment into well								
940	44.57	After lowering equipment into the well & before turning on the pump								
945	Purge Start Time									
950	44.87	15.67	0.221	0.83	6.76	37.1	1	1	Clear	
955	44.89	15.88	0.223	0.49	6.83	23.0	1	2	Clear	
1000	45.09	15.95	0.226	0.27	7.07	-1.7	1	3	Clear	
1005	45.28	15.67	0.227	0.23	7.22	-18.9	1	4	Clear	
1010	45.44	15.86	0.228	0.21	7.32	-21.6	1	5	Clear	
1015	45.78	15.96	0.229	0.19	7.32	-19.3	1	6	Clear	
1020	Sample Collection Time									
1025	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.								
		Sample Collection Time								

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water

4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: MW12A	Site ID: Carroll - Wally's	Sample Date: 8/25/22
Initial DTW / Time:	Address: 19200 Middletown Rd	
Well Diameter: 6"	Parkton, MD	30.44 - 42.29
Total Well Depth:	Sample Method (circle one): Low Flow	Sampling Tech(s): JDM/9
Water Column Length:	Purge/sample	Weather Conditions: 89° sunny
Pump Intake depth:	Grab/No Pruge	Air Temp (°F) =

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1:40	32.94	Just prior to lowering any equipment into well								
1:45	32.44	After lowering equipment into the well & before turning on the pump								
1:50	Purge Start Time									
1:55	33.25	14.10	0.549	0.94	5.87	7.3	1	1	light orange	not in well
2:00	33.59	14.70	0.552	0.69	5.81	6.5	1	2	light orange	not in well
2:05	34.37	15.02	0.556	0.66	5.86	3.8	1	3	light orange	not in well
2:10	34.17	15.12	0.558	0.69	5.88	1.9	1	4	light orange	no odor
2:15	34.13	15.41	0.560	0.71	5.90	-1.3	1	5	light orange	no odor
2:20	34.09	15.42	0.563	0.72	5.92	-1.4	1	6	light orange	no odor

2:25 Sample Collection Time (1425)
 2:30 Purge Stop Time

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x ____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x ____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MV-113	Site ID:	High's Store No. 141	Sample Date:	8/25/22
Initial DTW / Time:	32.52 / 1200	Address:	19200 Middletown Rd		
Well Diameter:	6" <i>Sample Method (circle one)</i>		Parkton, MD		
Total Well Depth:	<i>Low Flow</i>	Sampling Tech(s):	Dama		
Water Column Length:	Purge/sample	Weather Conditions:	89° Sunny		
Pump Intake depth:	Grab/No Pruge	Air Temp (°F) =	89° Sunny		

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1200	32.52	Just prior to lowering any equipment into well								
1210	31.86	After lowering equipment into the well & before turning on the pump								
1215	Purge Start Time									
1220	32.89	15.33	0.654	0.50	6.81	-88.0	.25	.25	Clear	
1225	32.99	15.24	0.660	0.40	6.88	-74.0	.25	.50	Clear	
1230	33.12	15.30	0.661	0.38	6.92	-71.5	.25	.75	Clear	
1235	33.22	16.04	0.674	0.43	6.98	-44.8	.25	1	Clear	
1240	33.35	16.23	0.677	0.45	7.00	-10.2		2	Clear	
1245	33.27	16.33	0.680	0.43	7.00	-102.7	1	3	Clear	

1250	Sample Collection Time
1255	Purge Stop Time

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time				Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.						

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water

4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	<i>MN-187A</i>	Site ID:	High's Store No. 141	Sample Date:	<i>8/29/02</i>
Initial DTW / Time:	<i>46.79 / 1050</i>	Address:	19200 Middletown Rd		
Well Diameter:	<i>6"</i>	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		<u>Low Flow</u>	Sampling Tech(s): <i>JDMG</i>		
Water Column Length:		Purge/sample	Weather Conditions: <i>79° sunny/cloudy</i>		
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =		

Data Collection: Low Flow

Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
<i>1050</i>	<i>46.79</i>	Just prior to lowering any equipment into well								
<i>1100</i>	<i>46.71</i>	After lowering equipment into the well & before turning on the pump								
<i>1105</i>	Purge Start Time									
<i>1110</i>	<i>47.28</i>	<i>15.61</i>	<i>2.438</i>	<i>1.06</i>	<i>4.90</i>	<i>162.2</i>	<i>1</i>	<i>1</i>	<i>Clear</i>	
<i>1115</i>	<i>47.09</i>	<i>16.01</i>	<i>2.976</i>	<i>1.03</i>	<i>4.85</i>	<i>164.5</i>	<i>1</i>	<i>2</i>	<i>Clear</i>	
<i>1120</i>	<i>46.97</i>	<i>16.82</i>	<i>2.515</i>	<i>1.16</i>	<i>4.87</i>	<i>172.1</i>	<i>1</i>	<i>3</i>	<i>Clear</i>	
<i>1125</i>	<i>47.42</i>	<i>15.19</i>	<i>2.440</i>	<i>1.24</i>	<i>4.83</i>	<i>168.9</i>	<i>1</i>	<i>4</i>	<i>Clear</i>	
<i>1130</i>	<i>47.27</i>	<i>14.99</i>	<i>2.433</i>	<i>1.23</i>	<i>4.76</i>	<i>173.6</i>	<i>1</i>	<i>5</i>	<i>Clear</i>	
<i>1137</i>	<i>47.48</i>	<i>15.36</i>	<i>2.438</i>	<i>1.19</i>	<i>4.79</i>	<i>174.2</i>	<i>1</i>	<i>6</i>	<i>Clear</i>	
<i>1140</i>	Sample Collection Time									
<i>1145</i>	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
										Just prior to lowering any equipment into well
										Sample Collection Time

Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential
- ± 10% for dissolved oxygen

Purge Volumes:

- 2-inch diameter well:
0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well:
0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	MW 485	Site ID:	High's Store No. 141	Sample Date:	8/29/22
Initial DTW / Time:	45.91/1200	Address:	19200 Middletown Rd		
Well Diameter:	6"	Sample Method (circle one)	Parkton, MD		
Total Well Depth:		Low Flow	Sampling Tech(s):		
Water Column Length:		Purge/sample	Weather Conditions:		
Pump Intake depth:		Grab/No Pruge	Air Temp (°F) =	80°	Sunny/Cloudy

Data Collection: Low Flow										
Time	DTW	Temp (°C)	Conductivity (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
		± 0.3 °C	± 3%	± 10%	± 0.1	± 10				
1200	45.91	Just prior to lowering any equipment into well								
1210	45.88	After lowering equipment into the well & before turning on the pump								
1215	Purge Start Time									
1220	46.93	15.57	1.358	.09	3.96	56.7	1	1	Clear	
1225	47.03	15.17	1.354	.07	6.07	43.1	1	2	Clear	
1230	47.48	15.39	1.361	.05	6.25	31.2	1	3	Clear	
1235	47.31	15.58	1.365	.05	6.33	28.7	1	4	Clear	
1240	47.55	15.67	1.363	.05	6.55	25.3	1	5	Clear	
1245	Sample Collection Time									
1250	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Sample Collection Time								

Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.

General Comment & Type of Equipment Used (pumps/YSI meter/etc./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential
 ± 10% for dissolved oxygen

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	11W-23		Site ID:	High's Store No. 141	Sample Date:	8-25-02
Initial DTW / Time:	4'		Address:	19200 Middletown Rd		
Well Diameter:				Parkton, MD		
Total Well Depth:			Sample Method (circle one)	Low Flow		
Water Column Length:			Purge/sample	Sampling Tech(s): J. Plummet		
Pump Intake depth:			Grab/No Prge	Weather Conditions: Sunny 82°		
			Air Temp (°F) =	82°		

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1120	43.29	Just prior to lowering any equipment into well								
1125	43.29	After lowering equipment into the well & before turning on the pump								
1125	Purge Start Time									
1130	43.65	19.34	0.882	2.22	5.43	147.6	3000 mL/min		clear	
1135	43.72	18.61	0.905	2.48	5.37	153.8				
1140	43.76	18.19	0.926	2.59	5.35	150.7				
1145	43.76	18.27	0.946	2.68	5.35	149.1				
1150	43.78	18.50	0.953	2.76	5.33	154.1				
1155	43.80	18.39	0.957	2.78	5.31	156.7		2 1/2 gallons		

1200	Sample Collection Time
	Purge Stop Time

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										

Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within

- ± 0.3 °C for temperature,
- ± 0.1 for pH,
- ± 3% for specific conductivity,
- ± 10 for reduction-oxidation potential

Purge Volumes:

- 2-inch diameter well: 0.16 gal./ft x _____ (linear feet of water) = gallons of water
- 4-inch diameter well: 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: <u>MW 24B</u>		Site ID: High's Store No. 141		Sample Date: <u>8-25-22</u>						
Initial DTW / Time:		Address: 19200 Middletown Rd								
Well Diameter: <u>6"</u>		Sample Method (circle one) <u>Low Flow</u>		Parkton, MD						
Total Well Depth:		Purge/sample		Sampling Tech(s): <u>Jeff Plummer</u>						
Water Column Length:		Grab/No Pruge		Weather Conditions: <u>Sunny</u>						
Pump Intake depth:				Air Temp (°F) = <u>76°</u>						
Data Collection: Low Flow										
Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
<u>1015</u>	<u>44.25</u>	Just prior to lowering any equipment into well								
<u>1025</u>	<u>44.18</u>	After lowering equipment into the well & before turning on the pump								
<u>1025</u>	Purge Start Time									
<u>1030</u>	<u>44.63</u>	<u>17.79</u>	<u>3.028</u>	<u>0.77</u>	<u>8.75</u>	<u>21.1</u>	<u>300 ml/min</u>		<u>grayish</u>	
<u>1035</u>	<u>44.75</u>	<u>18.90</u>	<u>3.060</u>	<u>0.61</u>	<u>9.07</u>	<u>6.3</u>				
<u>1040</u>	<u>44.98</u>	<u>19.16</u>	<u>3.066</u>	<u>0.45</u>	<u>9.27</u>	<u>-11.8</u>				
<u>1045</u>	<u>45.08</u>	<u>18.36</u>	<u>3.064</u>	<u>0.41</u>	<u>9.34</u>	<u>-20.7</u>				
<u>1050</u>	<u>45.38</u>	<u>18.66</u>	<u>3.069</u>	<u>0.37</u>	<u>9.41</u>	<u>-28.8</u>				
<u>1055</u>	<u>45.53</u>	<u>18.50</u>	<u>3.067</u>	<u>0.37</u>	<u>9.43</u>	<u>-37.6</u>		<u>2114 gallons</u>		
<u>1100</u>	Sample Collection Time									
	Purge Stop Time									
Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
		Just prior to lowering any equipment into well								
		Sample Collection Time								
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										
General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):										

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: MW-258		Site ID: High's Store No. 141		Sample Date: 8-24-22						
Initial DTW / Time:		Address: 19200 Middletown Rd								
Well Diameter: 6"	Sample Method (circle one) <input checked="" type="radio"/> Low Flow <input type="radio"/> Purge/sample <input type="radio"/> Grab/No Pruge		Parkton, MD							
Total Well Depth:			Sampling Tech(s): Jeff Pummer							
Water Column Length:			Weather Conditions: clear							
Pump Intake depth:			Air Temp (°F) = 72°							
Data Collection: Low Flow										
Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
Just prior to lowering any equipment into well										
After lowering equipment into the well & before turning on the pump										
Purge Start Time										
0930	42.05	17.86	2.316	1.16	7.29	-52.7	300ml/min		clear	
0935	42.82	18.56	2.325	0.93	7.26	-62.3				
0940	42.97	19.06	2.352	0.99	7.25	-82.2				
0945	43.20	17.27	2.349	0.83	7.25	-84				
0950	43.46	17.47	2.344	0.76	7.23	-72.2				
0955	43.58	17.65	2.340	0.74	7.23	-77.6				
1000	43.75	17.90	2.343	0.73	7.22	-76.0				
1005	43.92							2 1/2 gallons		
Sample Collection Time										
Purge Stop Time										
Data Collection: Purge and Sample / Grab Sampling										
Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										
General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):										

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: RW-1 Site ID: High's Store No. 141 Sample Date: 8-26-22
 Initial DTW / Time: Address: 19200 Middletown Rd
 Well Diameter: 6" Sample Method (circle one) Parkton, MD
 Total Well Depth: Low Flow Sampling Tech(s): J. Plummer
 Water Column Length: Purge/sample Weather Conditions: partly cloudy 80°
 Pump Intake depth: Grab/No Pruge Air Temp (°F) =

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
Just prior to lowering any equipment into well										
After lowering equipment into the well & before turning on the pump										
1020 Purge Start Time										
1025	41.90	18.92	3.631	4.73	4.97	220.9	300ml/min		clear	
1030	41.92	20.57	3.848	4.79	4.99	220.4				
1035	41.92	17.27	3.832	4.96	5.00	224.6				
1040	41.94	17.34	3.862	4.80	5.03	223.7				
1045	41.95	17.77	3.844	4.84	5.03	221.1				
1050	41.96	17.51	3.820	4.72	5.03	219.0				
↓ 214 gallons ↓										
1055 Sample Collection Time										
Purge Stop Time										

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										

Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.

General Comment & Type of Equipment Used (pumps/YSI meter/etc./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID: RW-2	Site ID: High's Store No. 141	Sample Date: 8-29-22
Initial DTW / Time:	Address: 19200 Middletown Rd	
Well Diameter: 6"	Parkton, MD	
Total Well Depth:	Sampling Tech(s): J. Plummer	
Water Column Length:	Weather Conditions: Partly Cloudy	
Pump Intake depth:	Air Temp (°F) = 80	

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) E ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
Just prior to lowering any equipment into well										
After lowering equipment into the well & before turning on the pump										
Purge Start Time										
1035	44.34	15.15	3.387	3.31	5.20	202.4	300 mL/min		Clear	
1040	44.32	15.83	3.359	3.37	5.20	203.2				
1045	44.50	16.72	3.408	3.34	5.21	204.7				
1100	44.50	16.50	3.369	3.30	5.22	204.8				
1105	44.50	16.30	3.375	3.16	5.23	205.3				
1110	44.50	16.12	3.359	3.27	5.23	204.7	✓	214 gallons		
Sample Collection Time										
Purge Stop Time										

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

Groundwater Sampling Data Collection Sheet



Well ID:	16082		Site ID:	High's Store No. 141	Sample Date:	8-29-22
Initial DTW / Time:			Address:	19200 Middletown Rd		
Well Diameter:	8"	Sample Method (circle one) <u>Low Flow</u> Purge/sample Grab/No Pruge	Parkton, MD			
Total Well Depth:	Sampling Tech(s): Jeff Blumner					
Water Column Length:	Weather Conditions: Partly Cloudy 86°					
Pump Intake depth:	Air Temp (°F) =					

Data Collection: Low Flow

Time	DTW	Temp (°C) ± 0.3 °C	Conductivity (mS/cm) ± 3%	D.O. (mg/L) ± 10%	pH ± 0.1	ORP (mV) ± 10	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Comment
1225	55.20	Just prior to lowering any equipment into well								
1235	55.27	After lowering equipment into the well & before turning on the pump								
1235	Purge Start Time									
1240		18.32	0.574	1.75	8.12	-897	300ml/min		clear	
1245	55.80	18.90	0.563	1.10	8.01	-407				
1250		18.25	0.566	0.89	7.98	13.8				
1255	55.96	17.99	0.565	0.81	8.01	4.2				
1300		17.70	0.564	0.73	8.03	-4.4				
1305	56.10	17.83	0.564	0.66	8.02	-12.1			2 1/2 gallons	
1310	Sample Collection Time									
	Purge Stop Time									

Data Collection: Purge and Sample / Grab Sampling

Time	DTW	pH	Conductivity (mS/cm)	D.O. (mg/L)	Temp (°C)	ORP (mV)	Flow Rate (mL/min)	Cumulative Purge Volume	Appearance of Purge Water	Method of Purging
Just prior to lowering any equipment into well										
Sample Collection Time										
Note: Unless otherwise stated, field parameters collected during purge and sample or grab sampling were collected from the well with a sonde before purging or sampling.										

General Comment & Type of Equipment Used (pumps/YSI meter/ect./caibration info):

Stabilization is achieved when three successive readings are within
 ± 0.3 °C for temperature,
 ± 0.1 for pH,
 ± 3% for specific conductivity,
 ± 10 for reduction-oxidation potential

Purge Volumes:
 2-inch diameter well:
 0.16 gal./ft x _____ (linear feet of water) = gallons of water
 4-inch diameter well:
 0.65 gal./ft x _____ (linear feet of water) = gallons of water

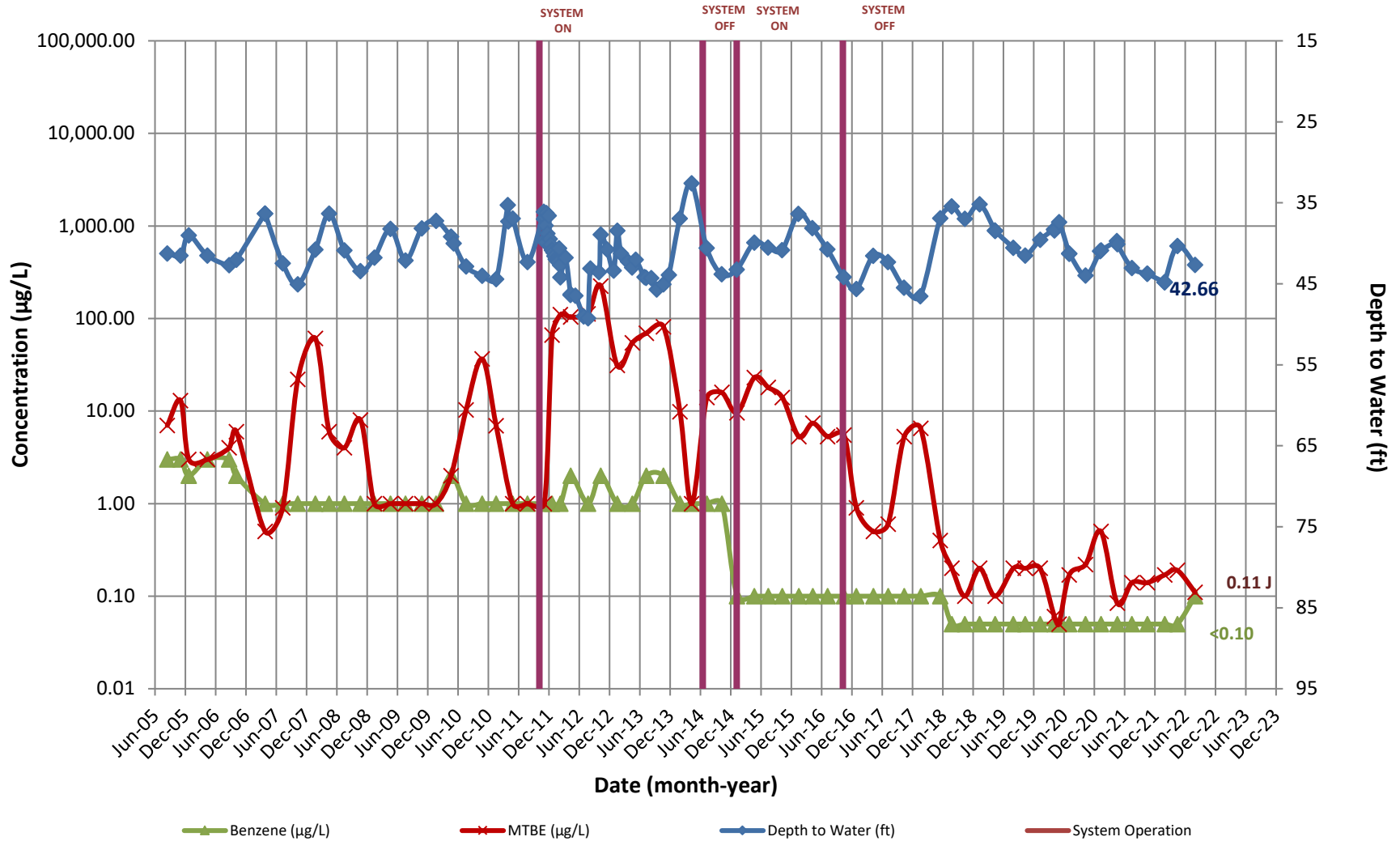
APPENDIX D

Concentration Hydrographs

CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

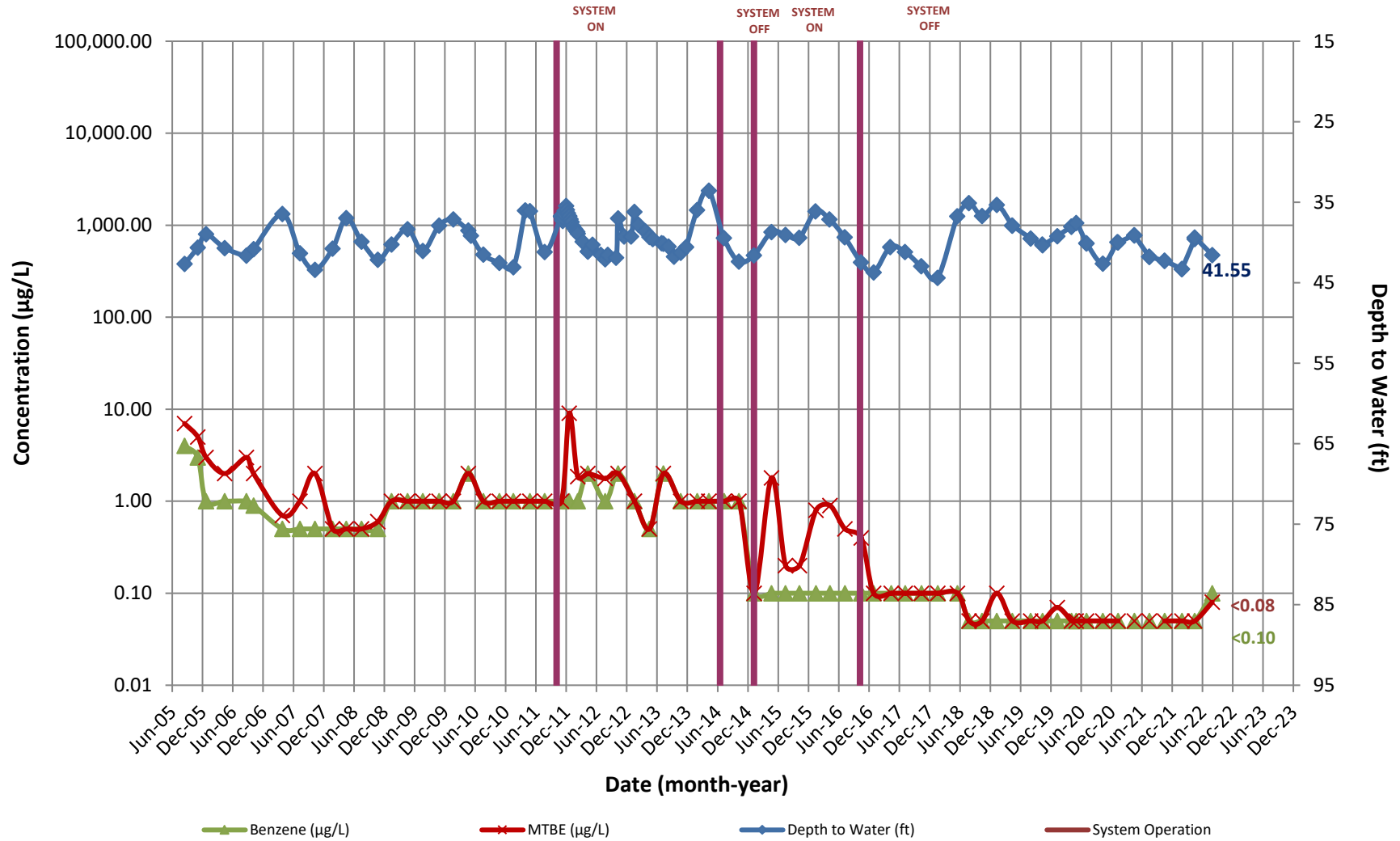
Monitoring Well MW-1



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

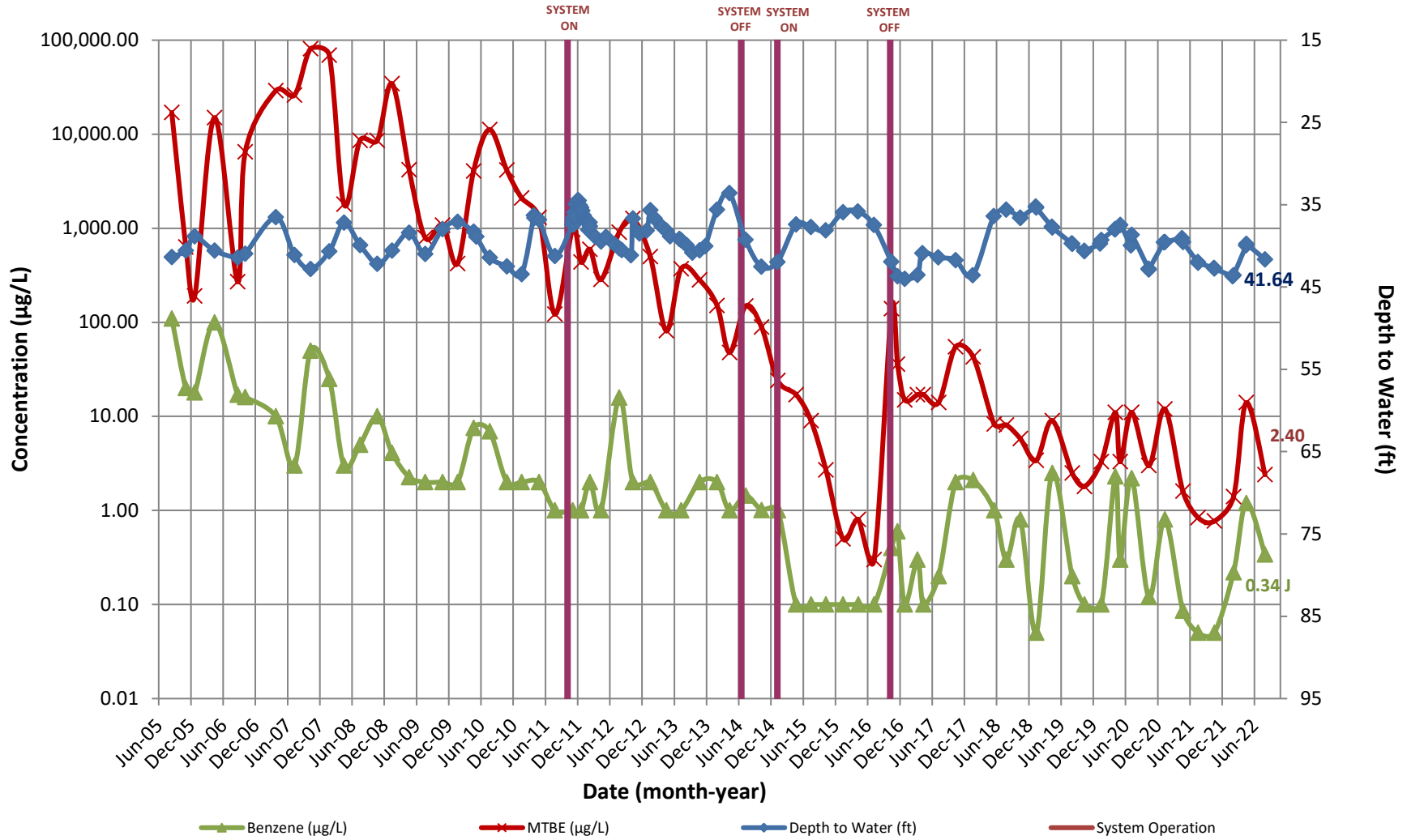
Monitoring Well MW-2



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

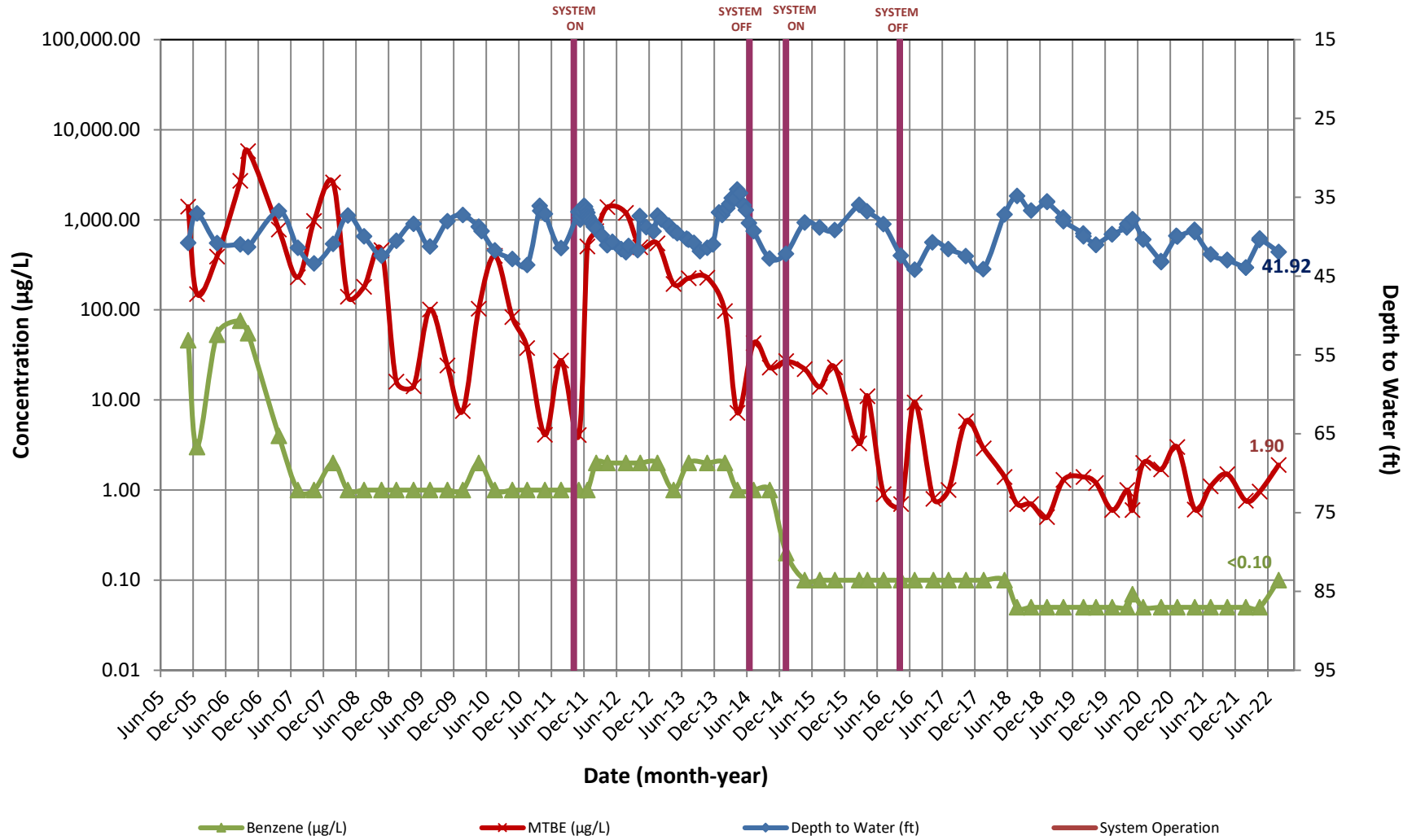
Monitoring Well MW-3



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

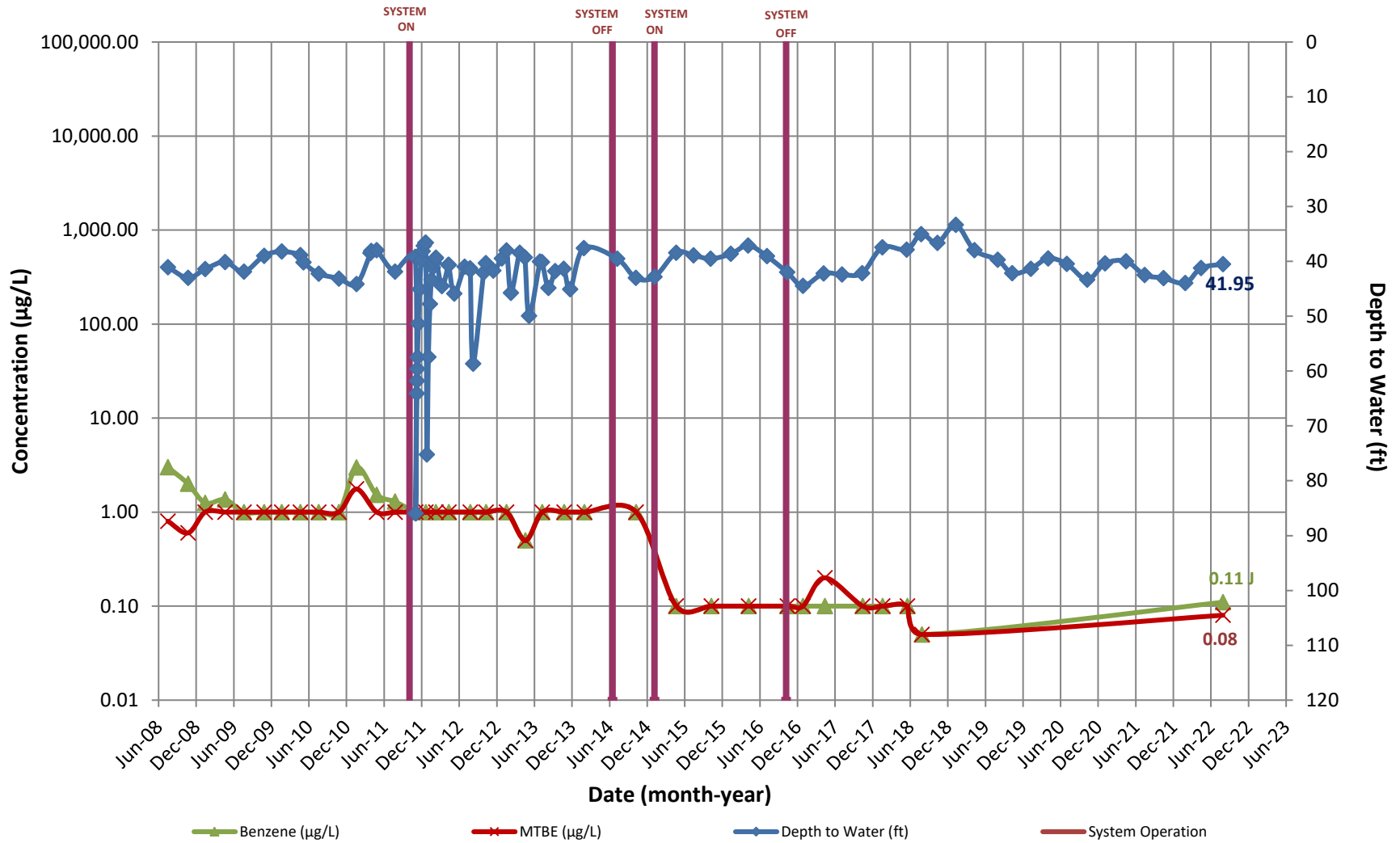
Monitoring Well MW-4



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

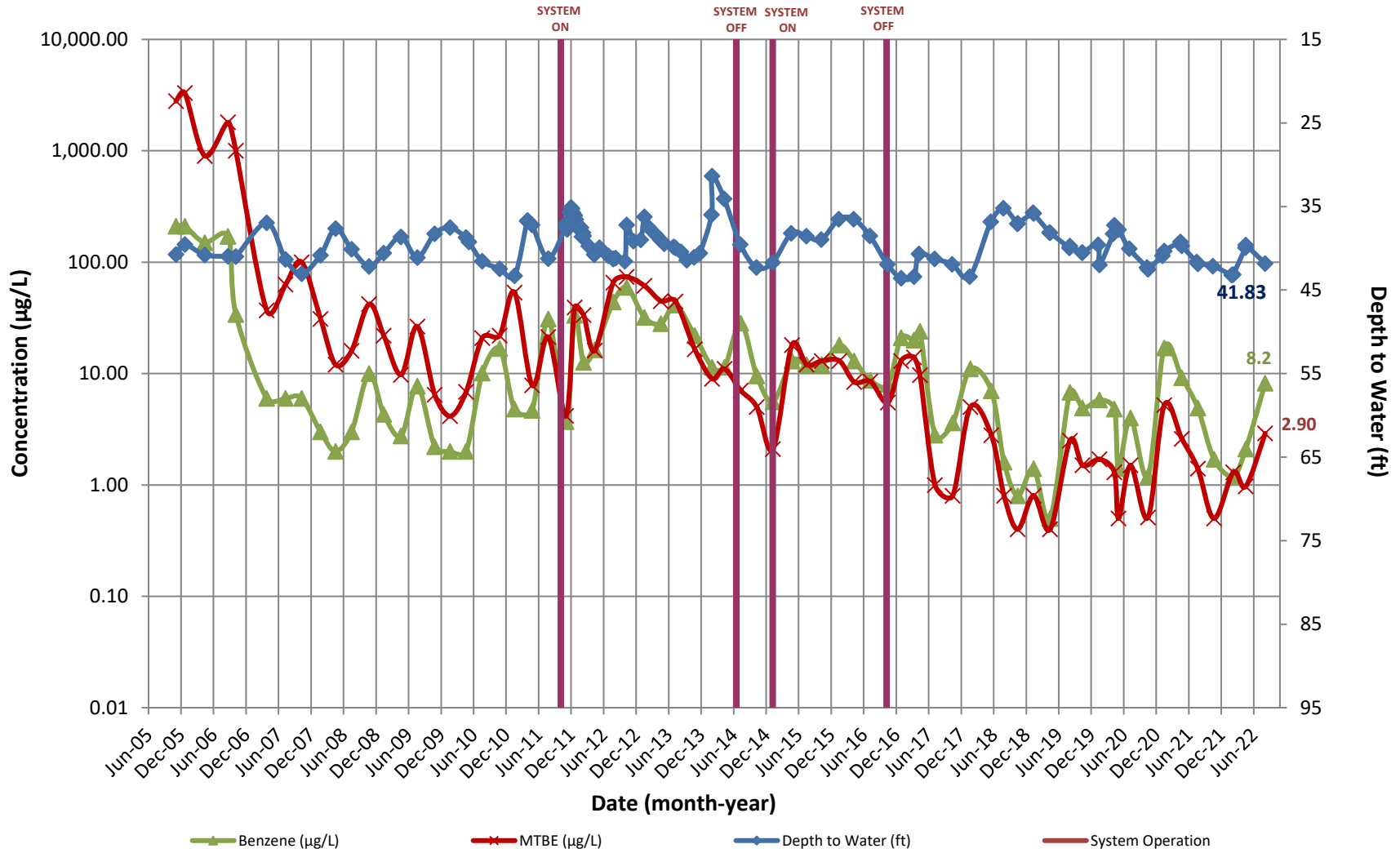
Monitoring Well MW-5B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

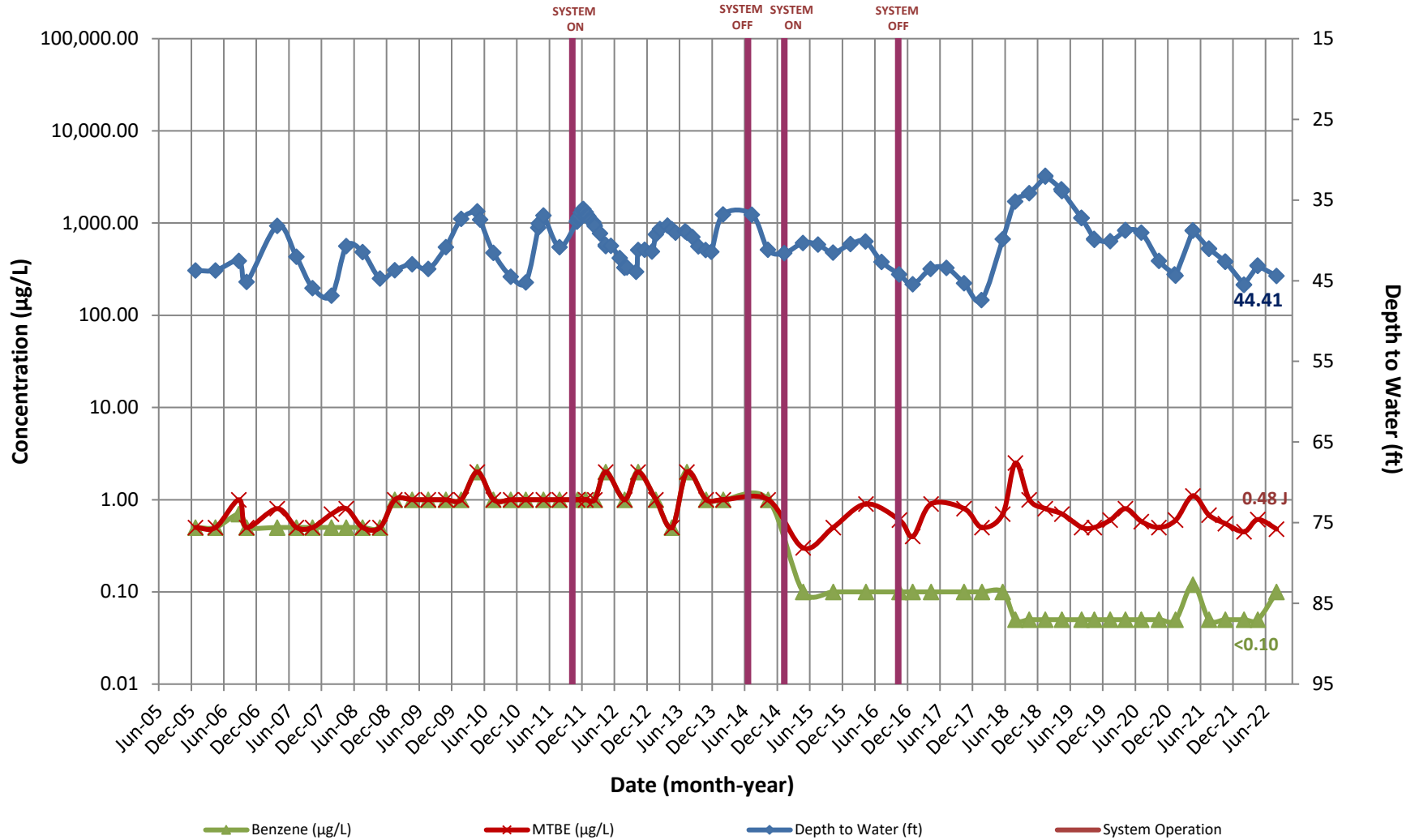
Monitoring Well MW-5



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

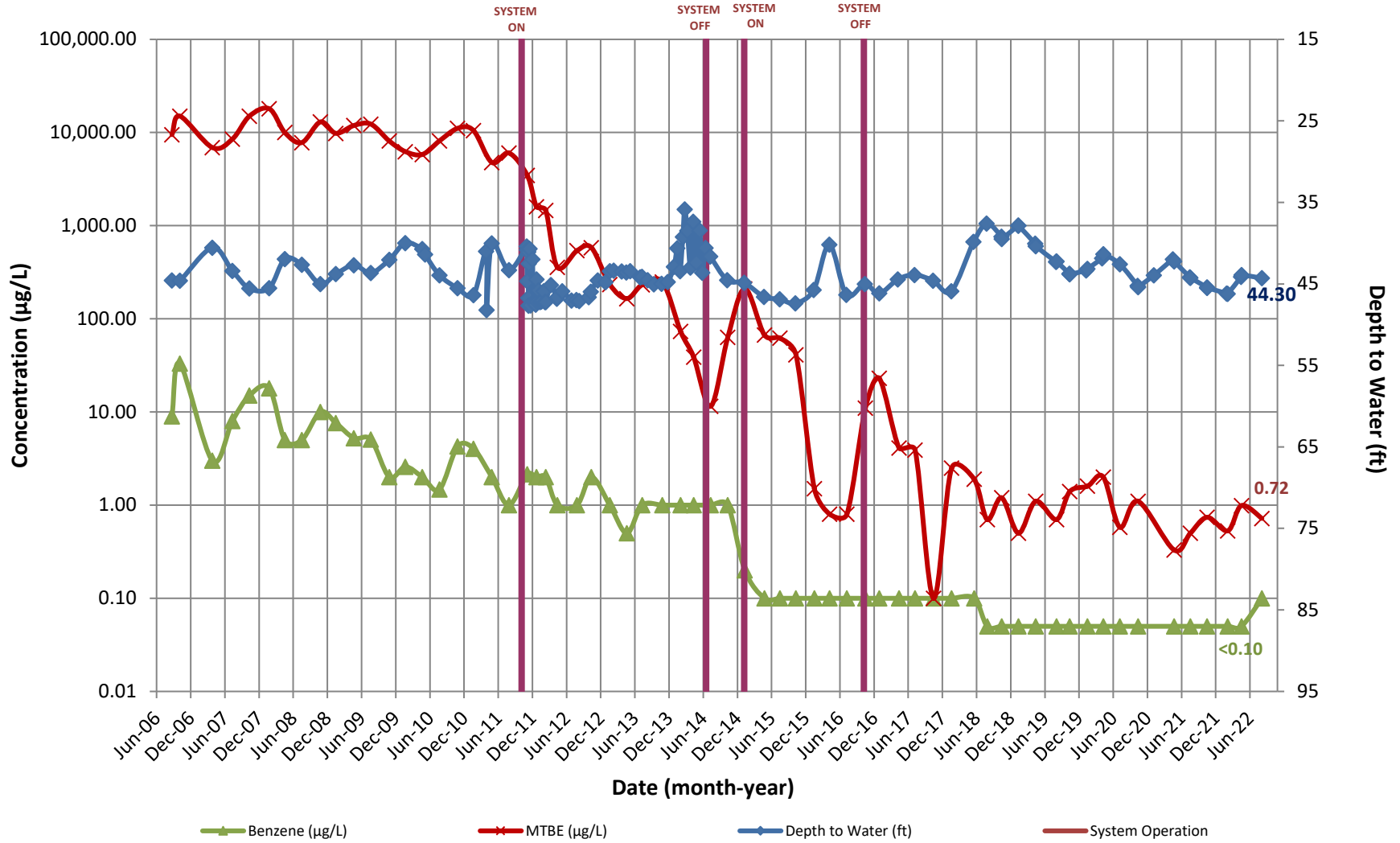
Monitoring Well MW-6



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

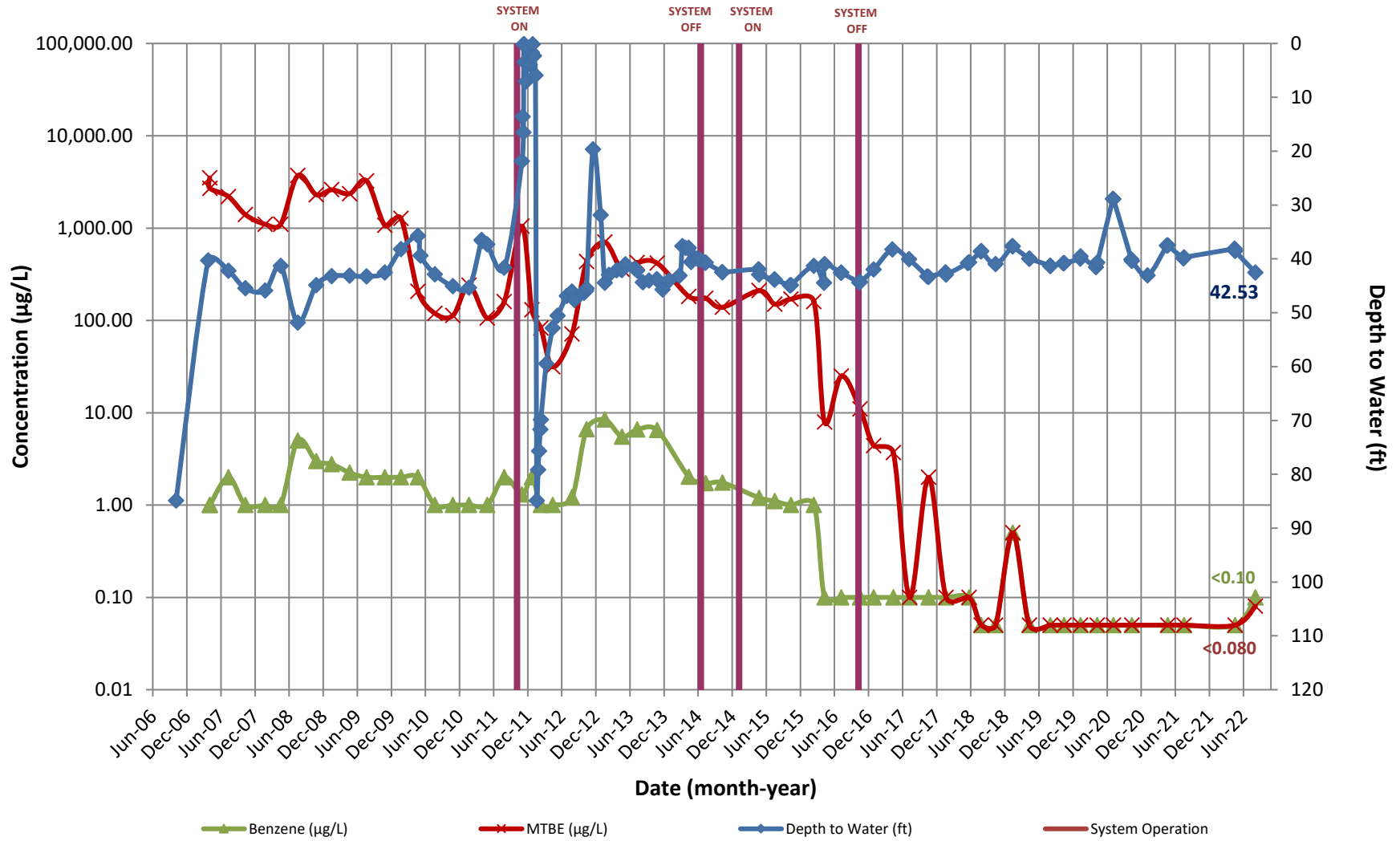
Monitoring Well MW-7A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

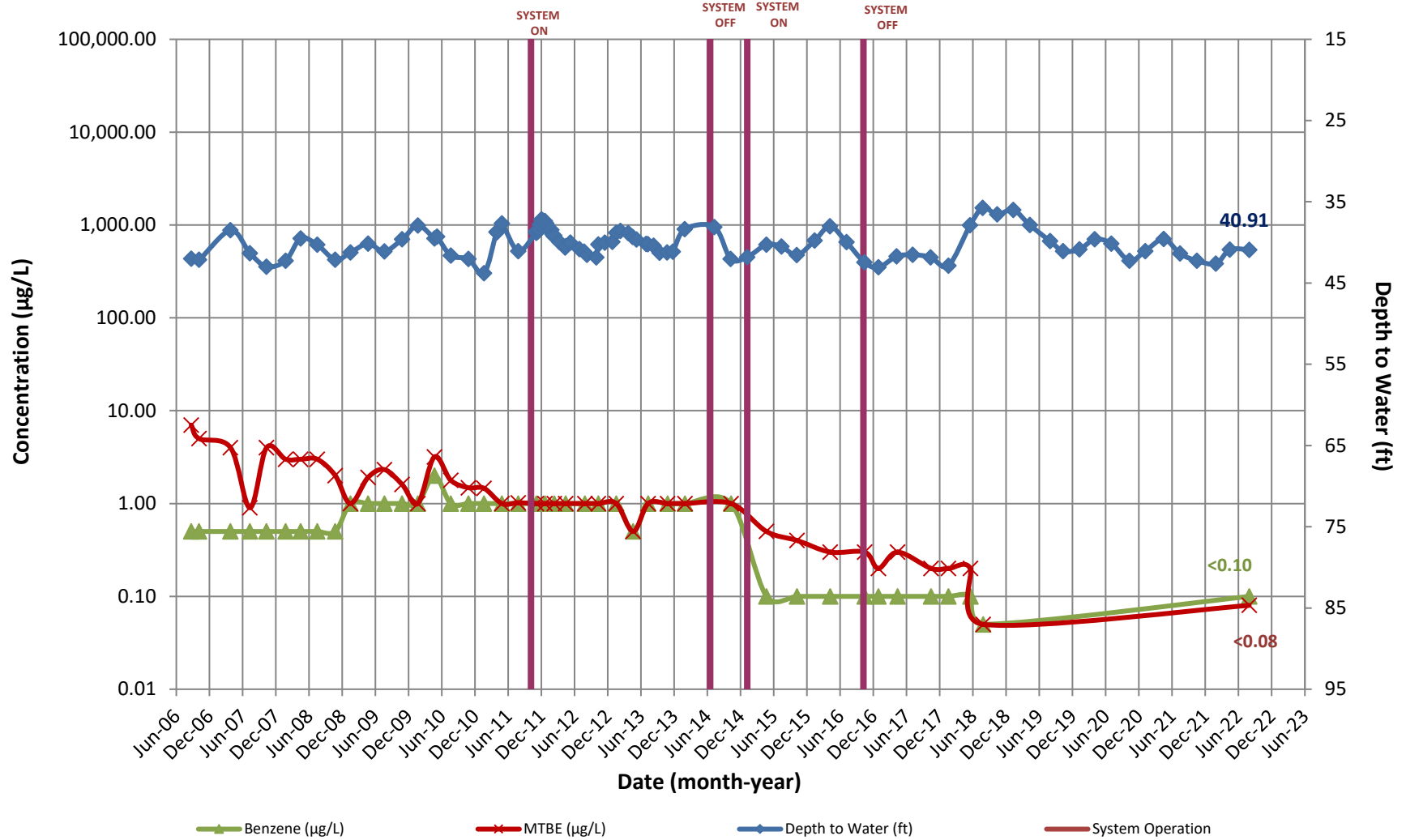
Monitoring Well MW-7B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

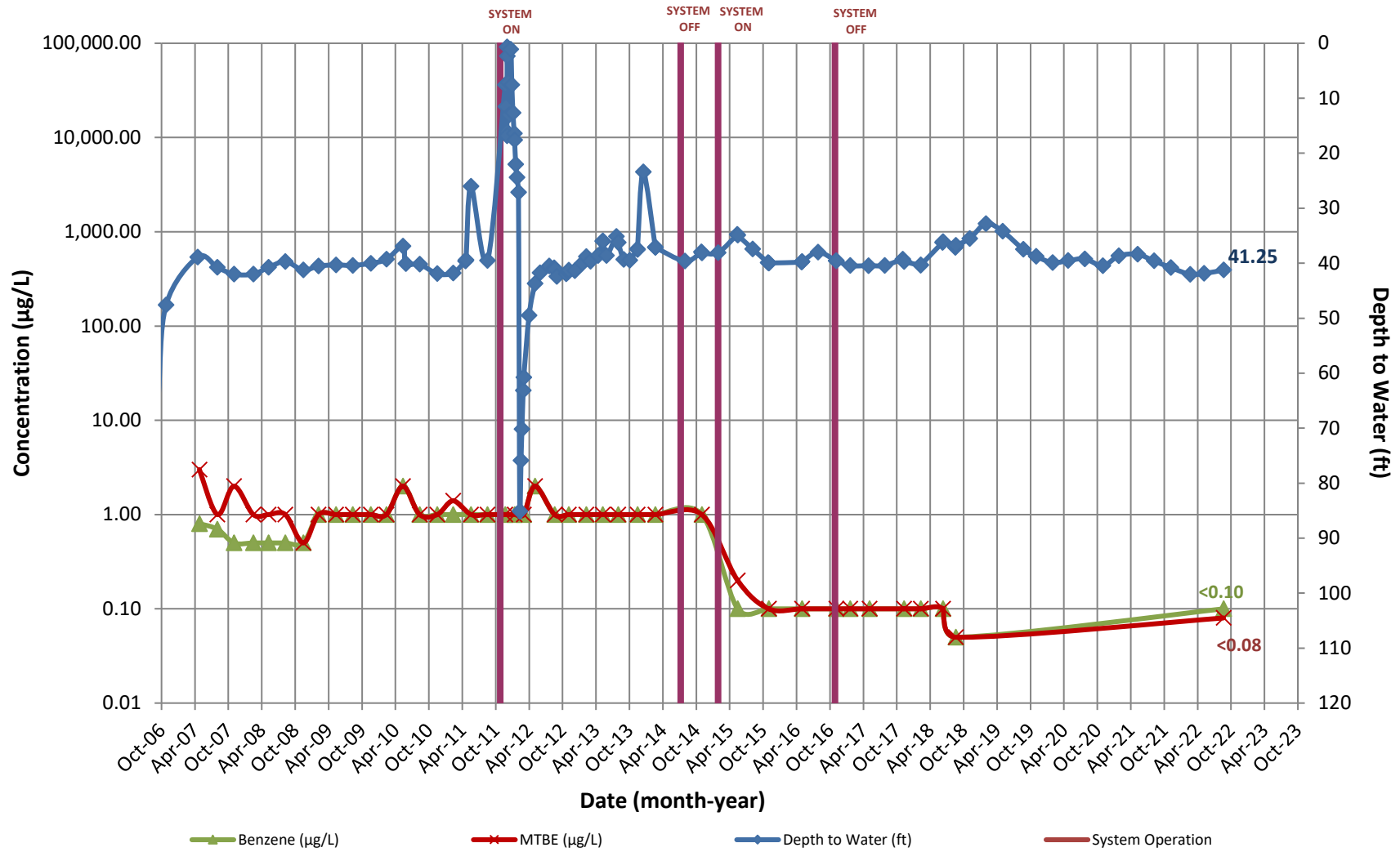
Monitoring Well MW-8A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

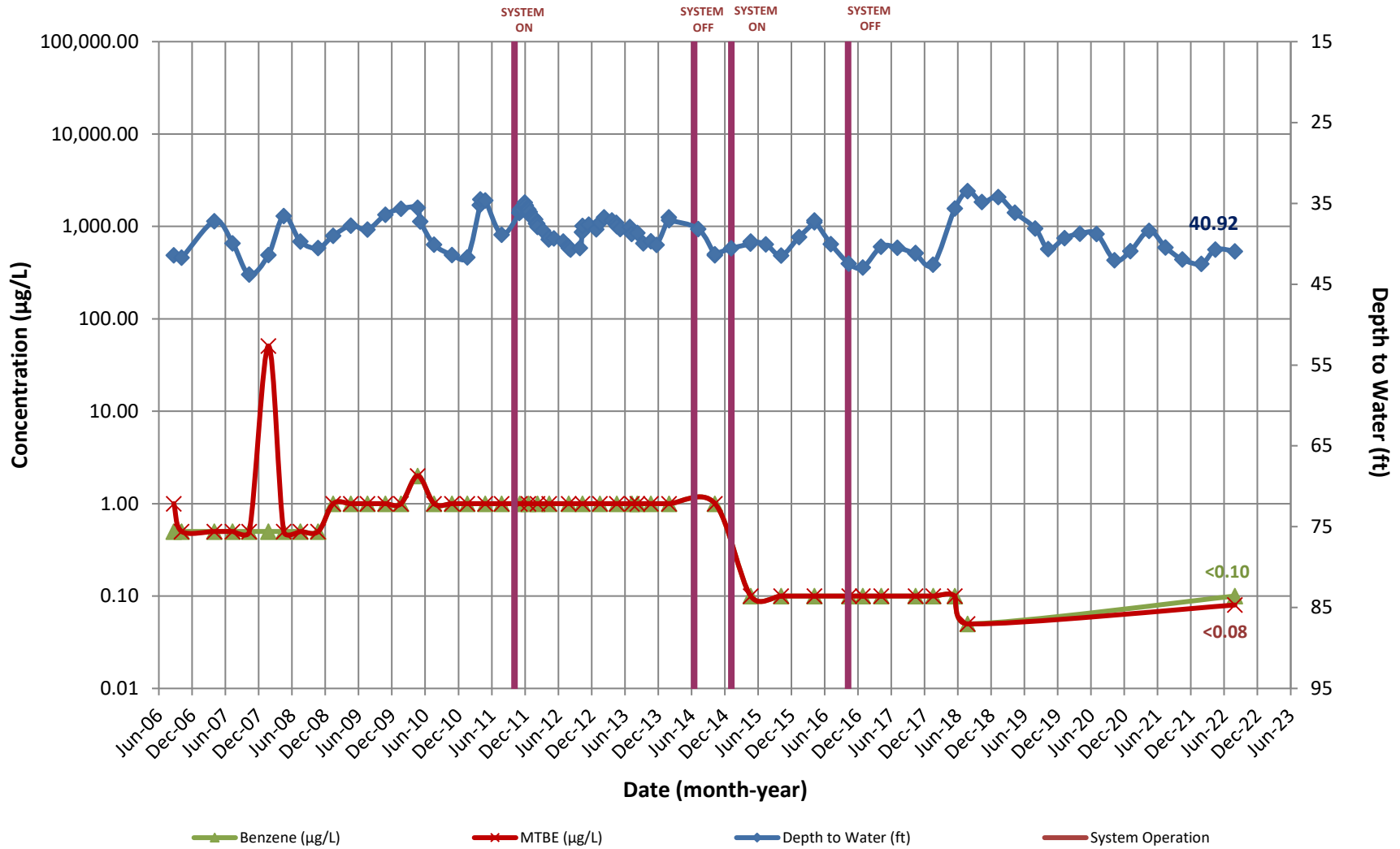
Monitoring Well MW-8B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

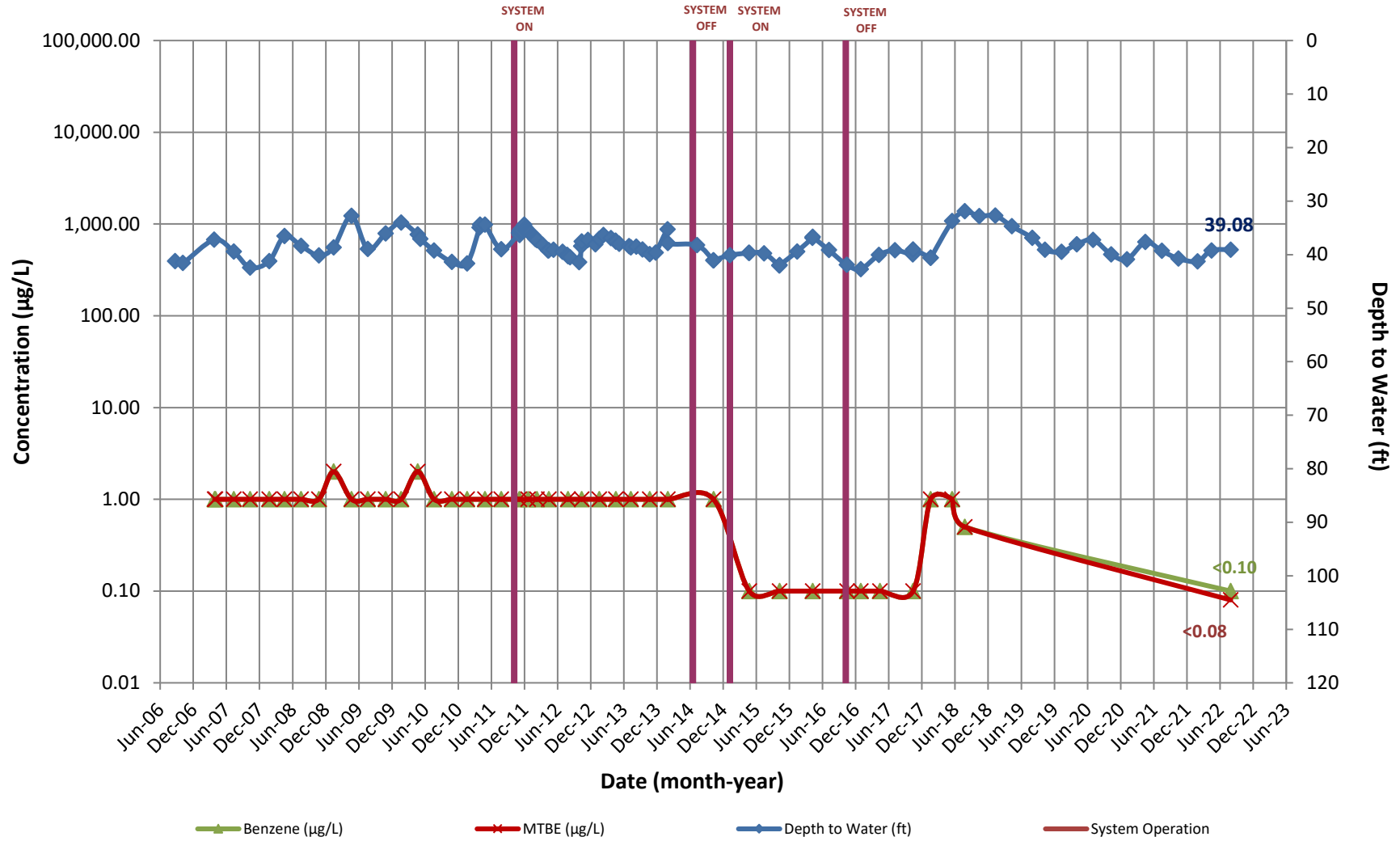
Monitoring Well MW-9A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
 19200 Middletown Rd., Parkton, MD

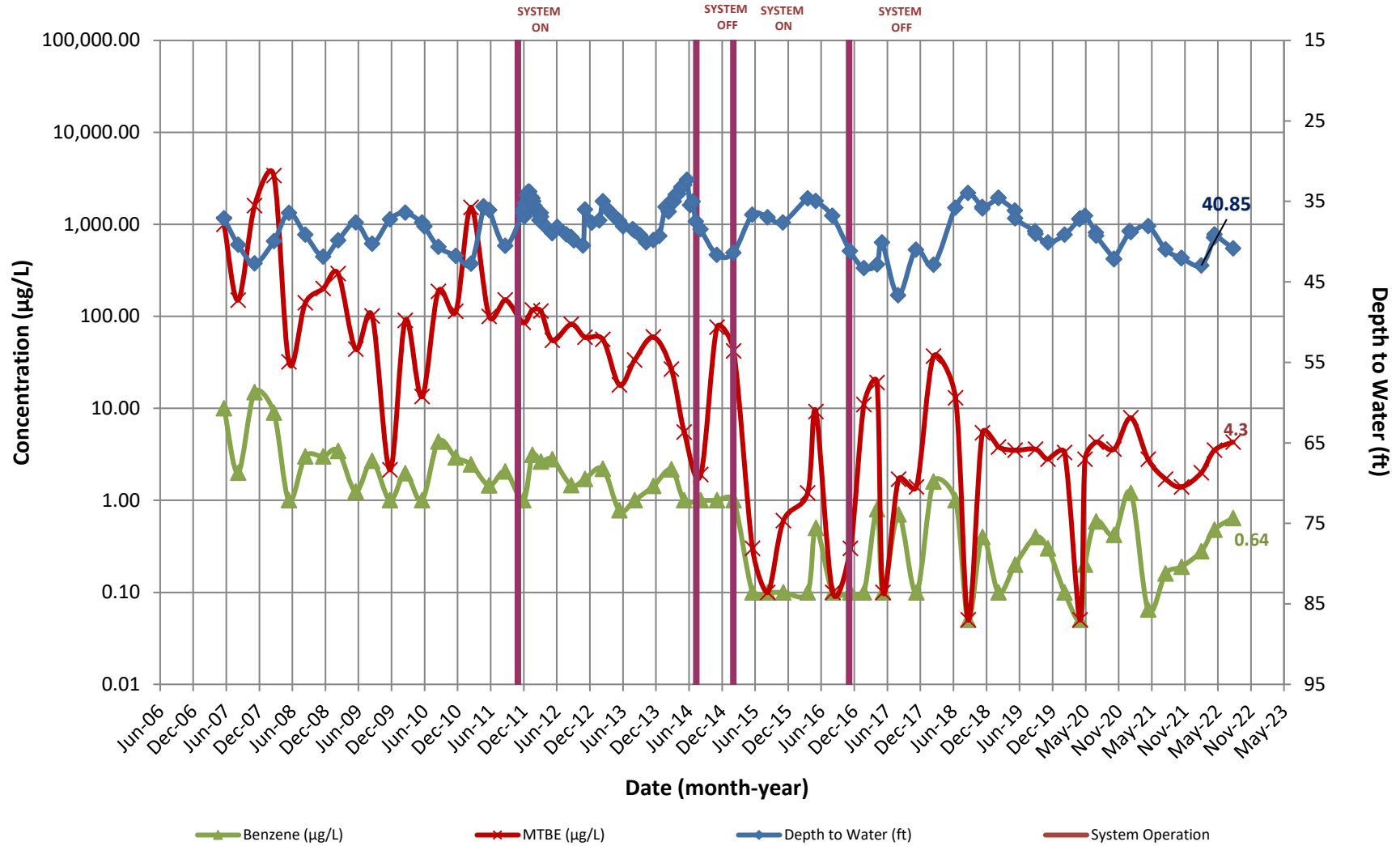
Monitoring Well MW-9B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

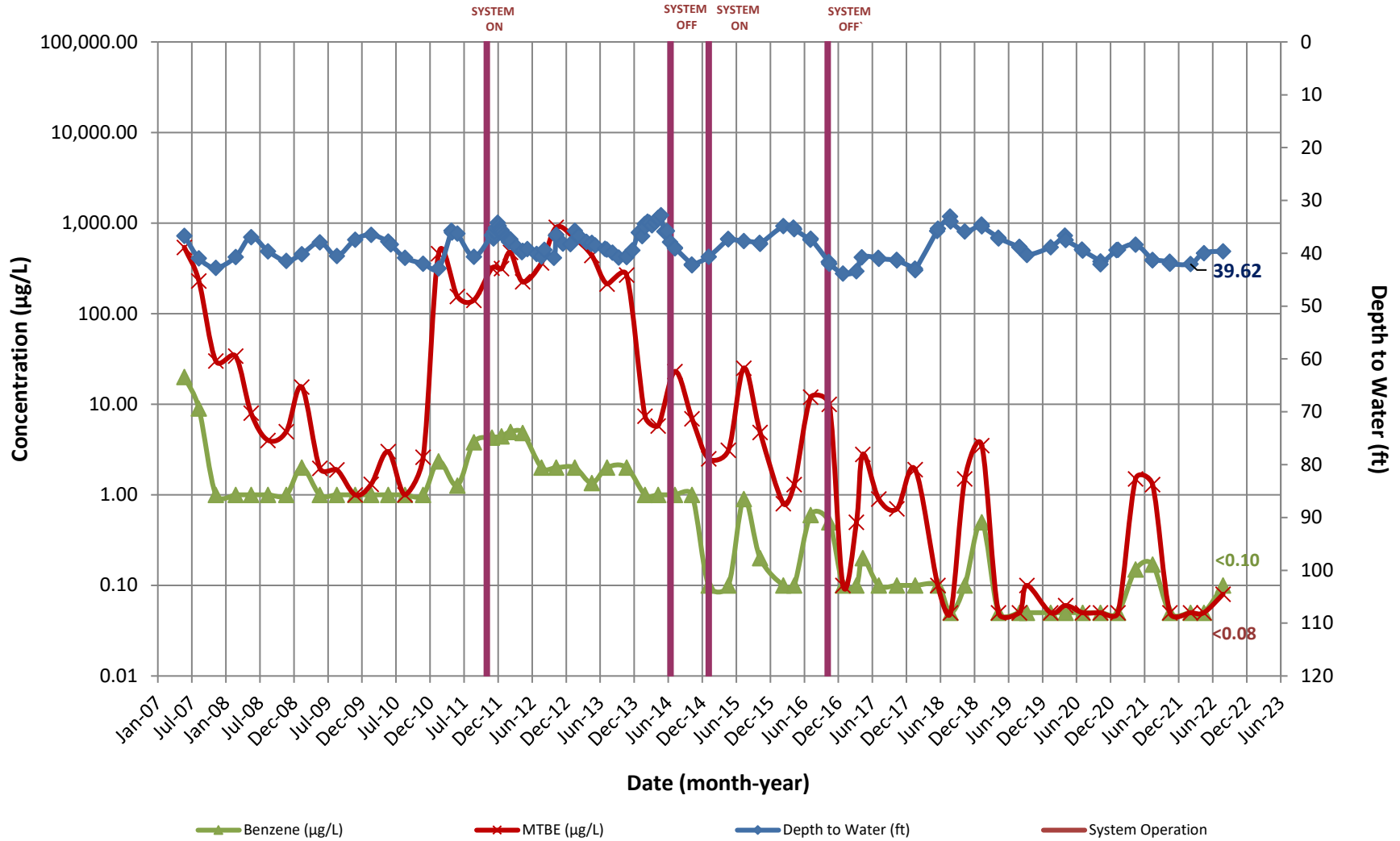
Monitoring Well MW-10A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

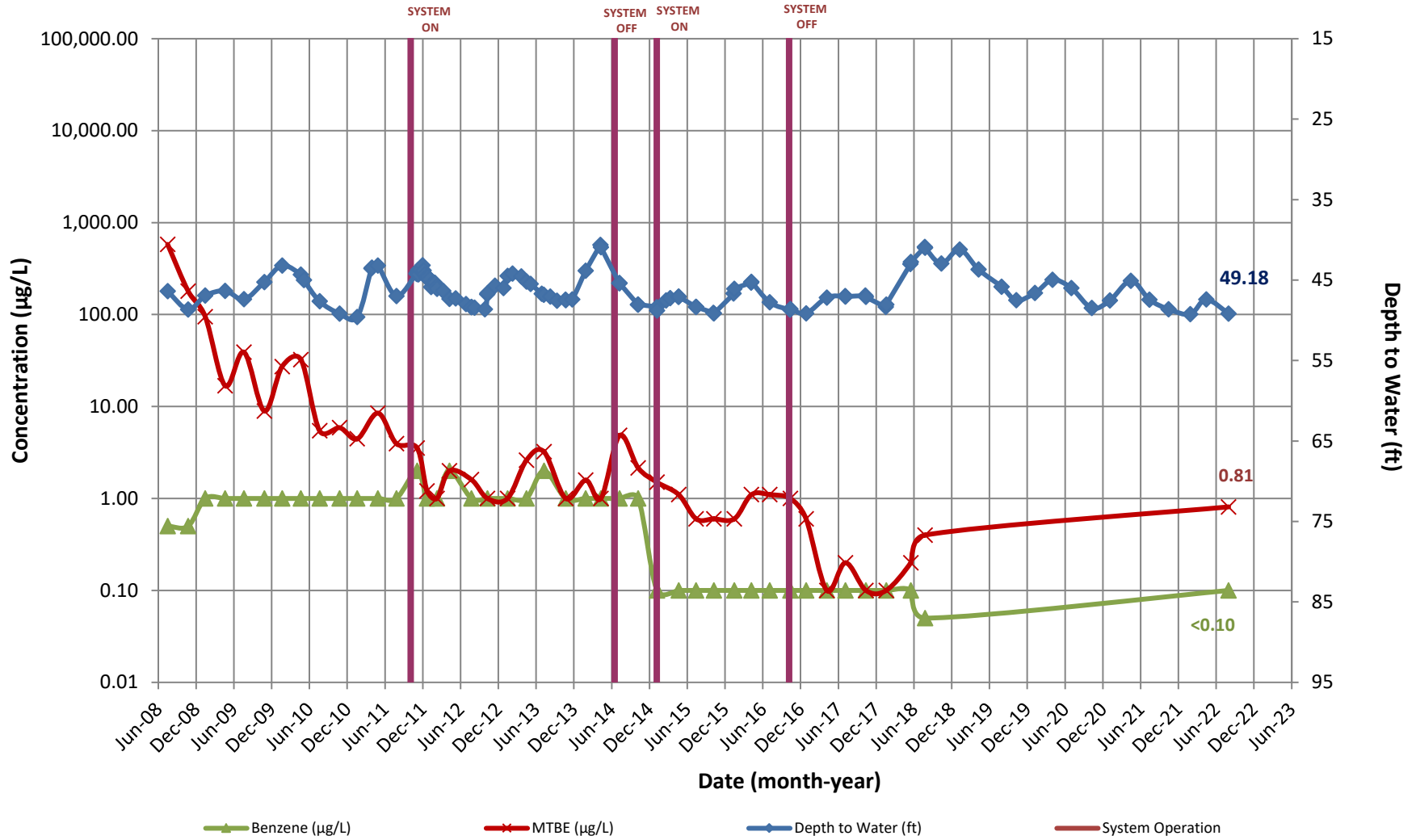
Monitoring Well MW-10B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

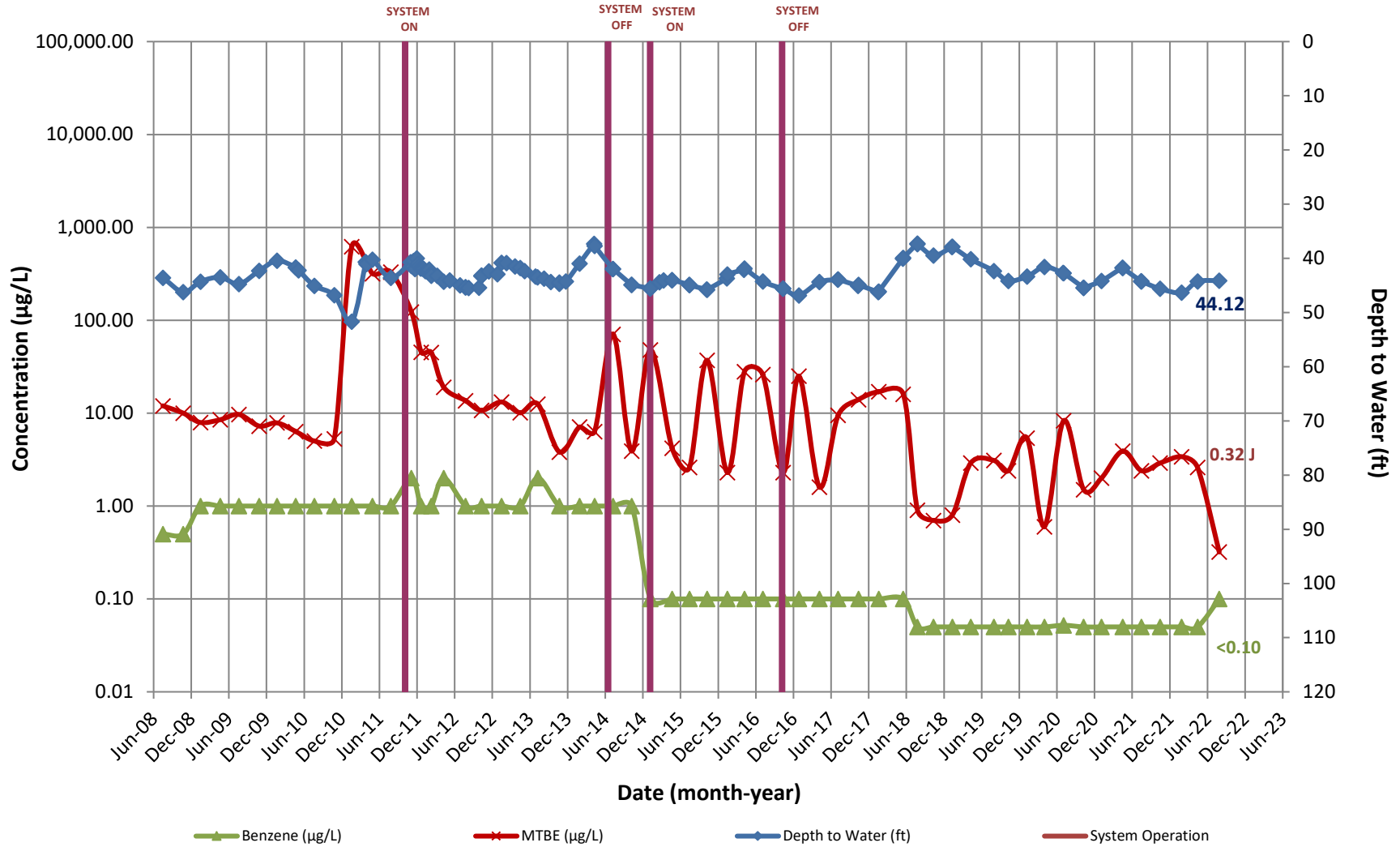
Monitoring Well MW-11A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

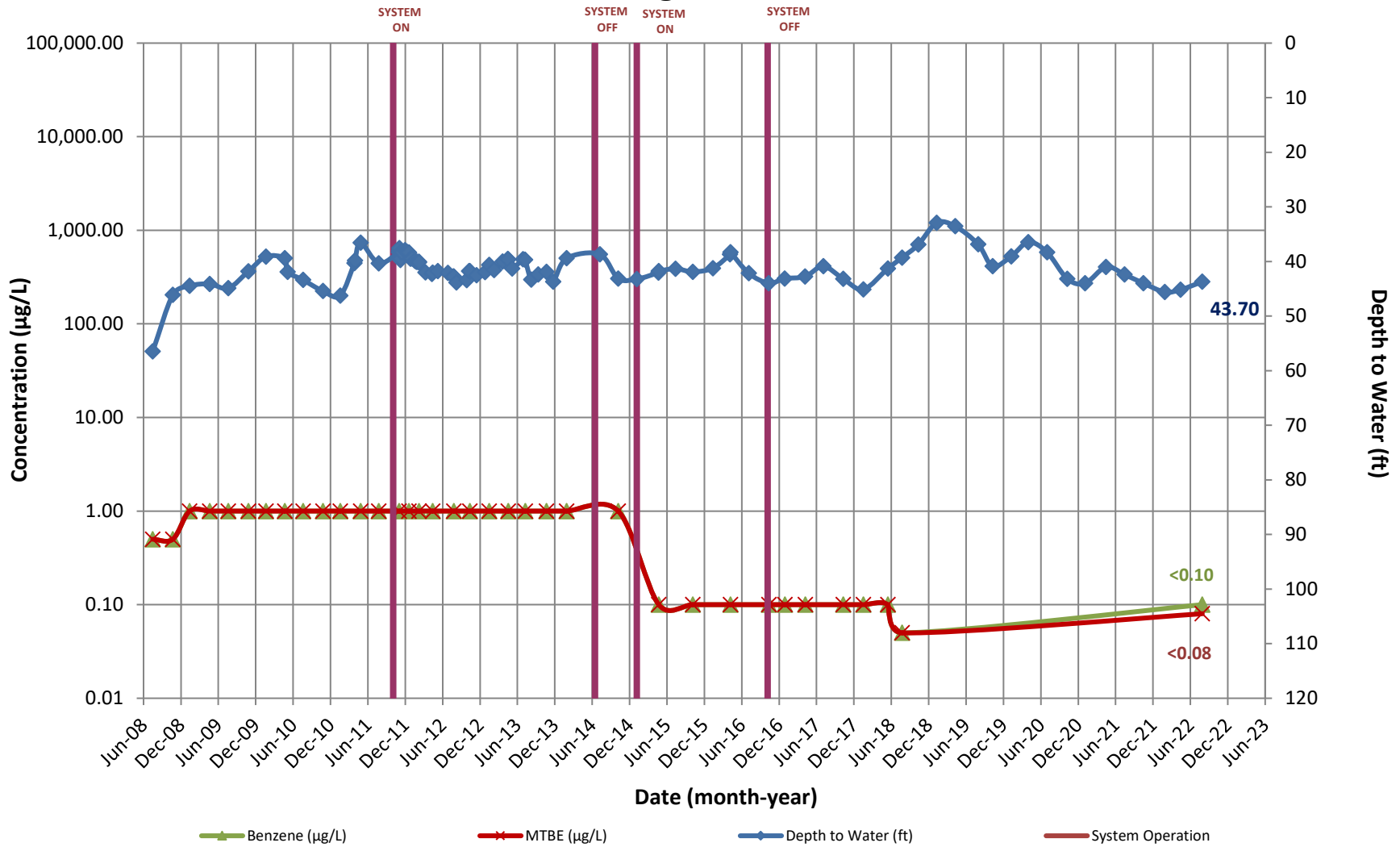
Monitoring Well MW-11B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

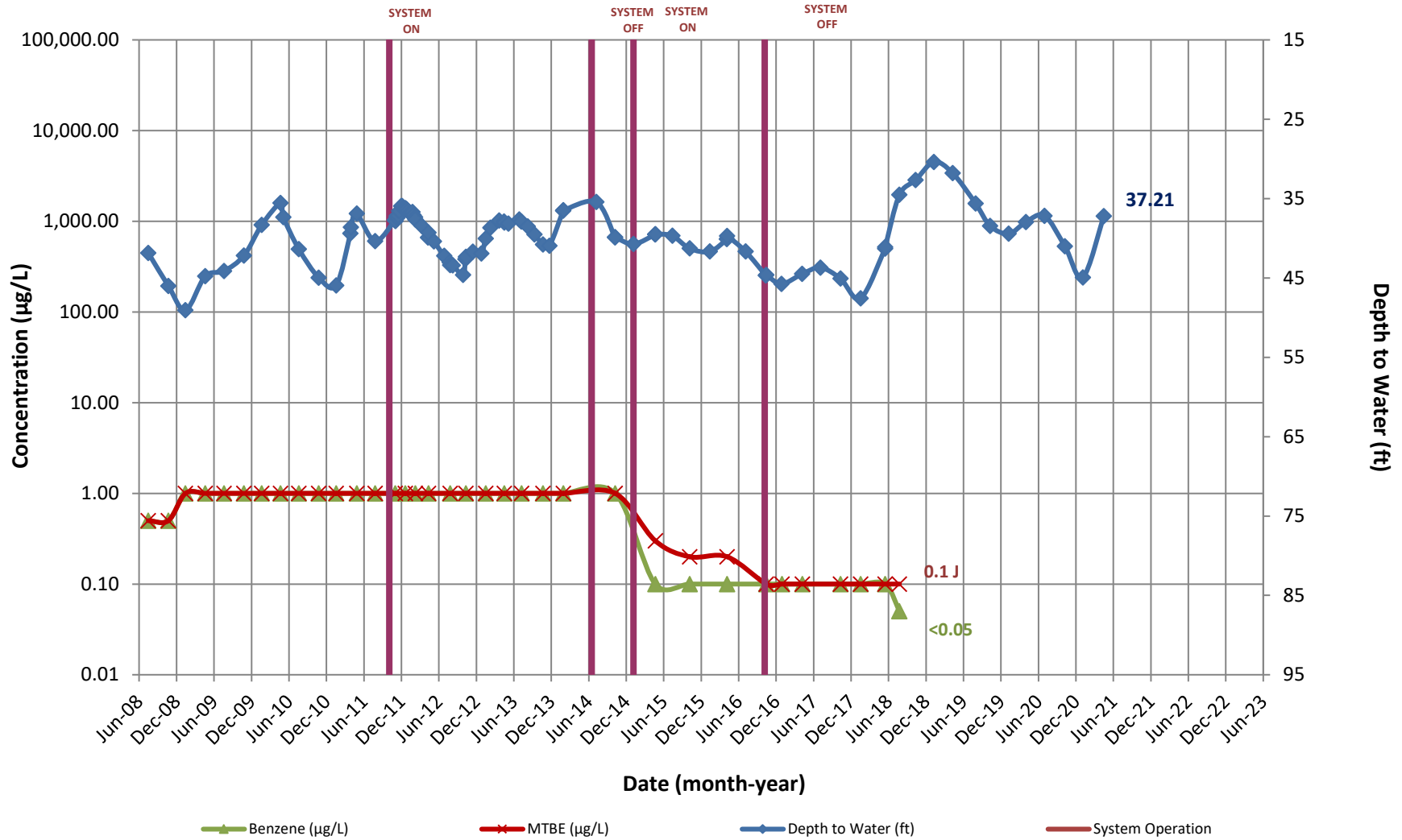
Monitoring Well MW-12B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

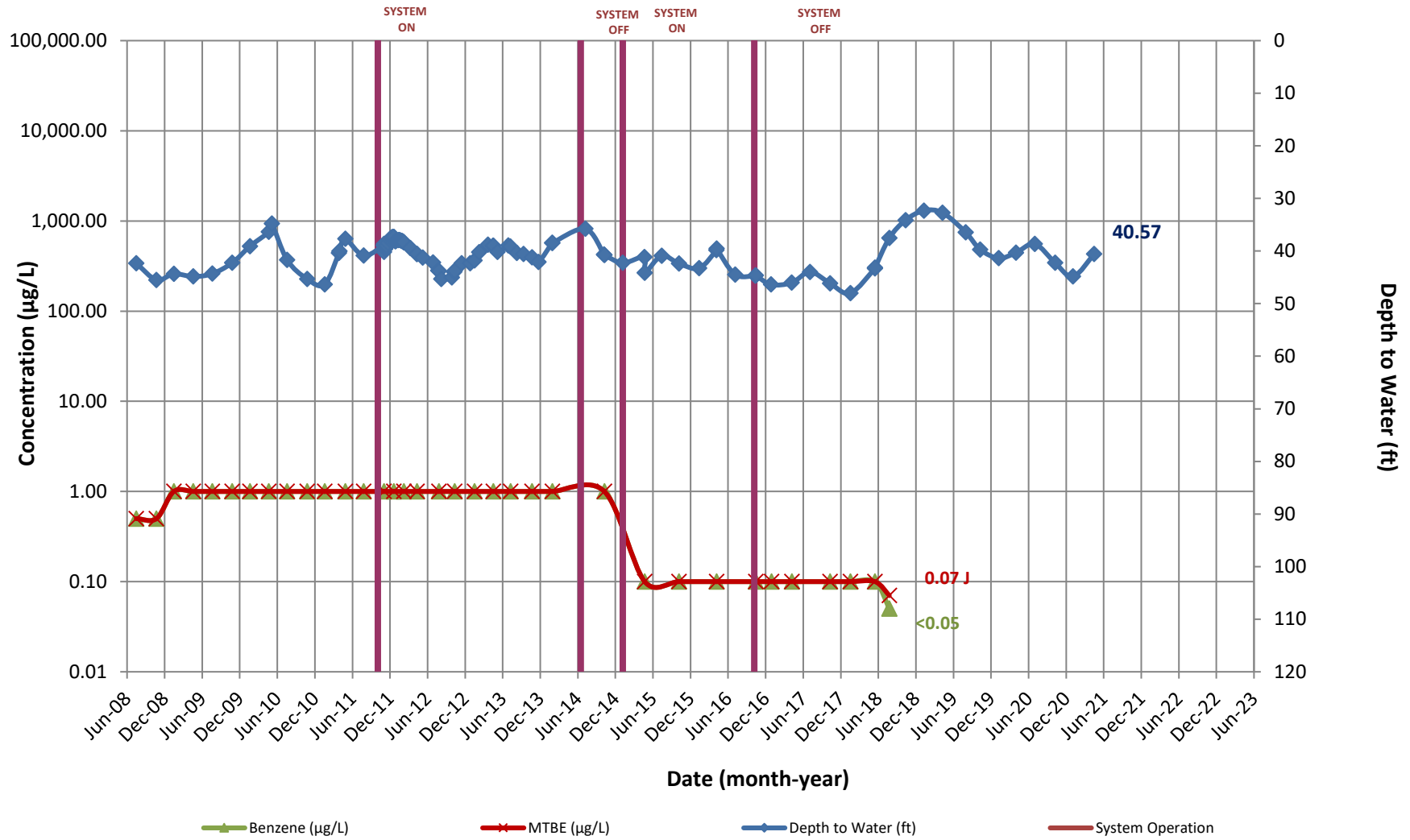
Monitoring Well MW-13A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

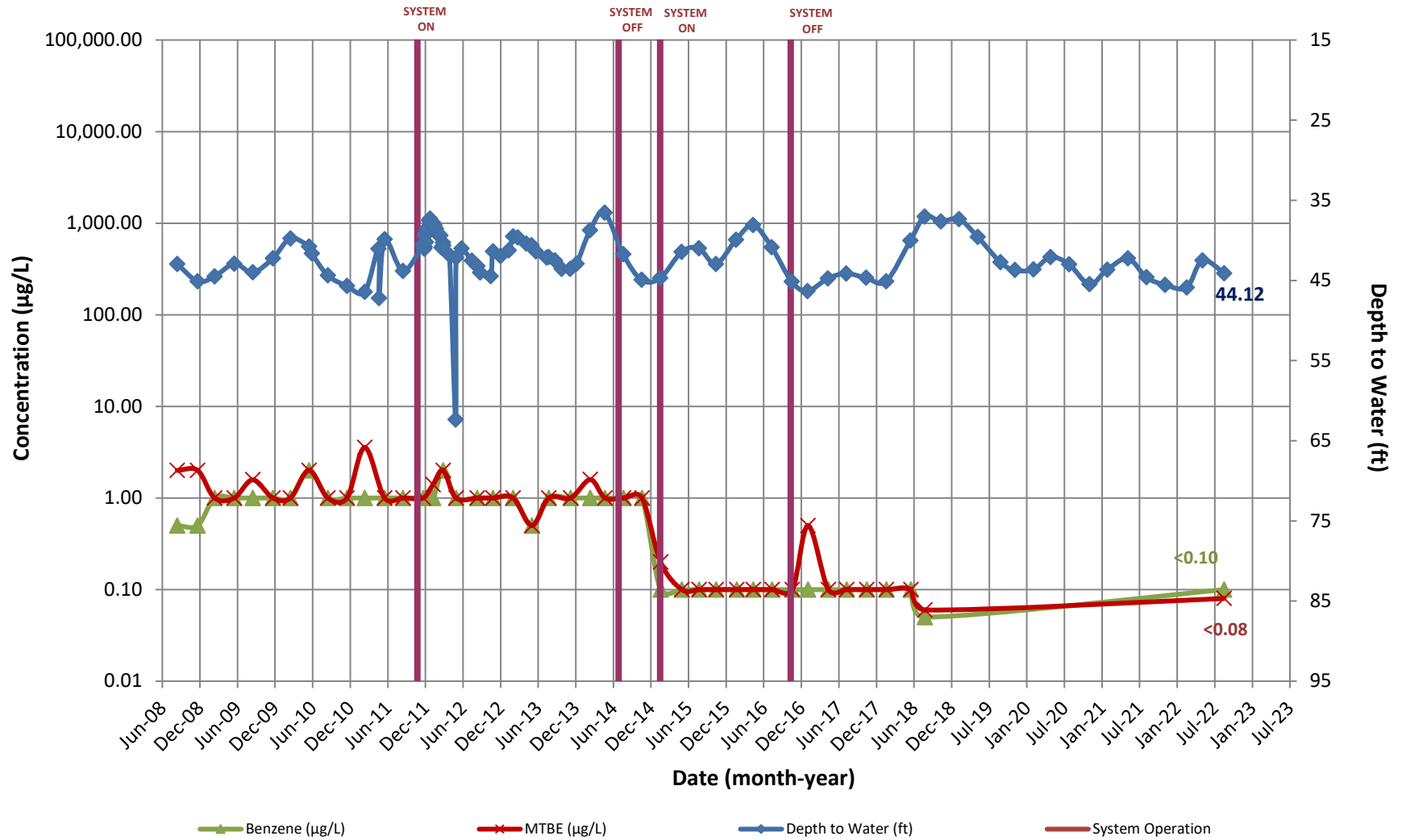
Monitoring Well MW-13B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

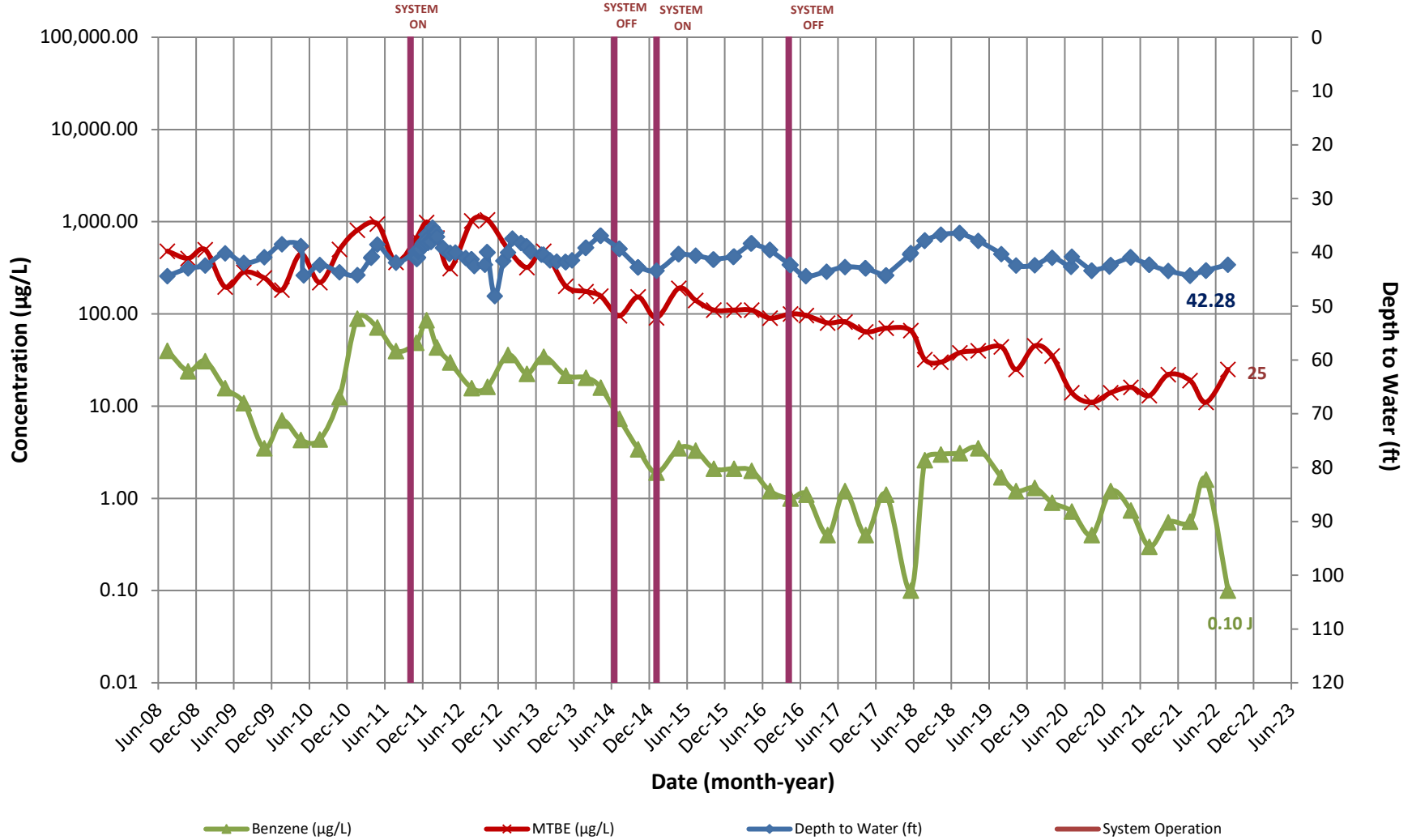
Monitoring Well MW-14A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

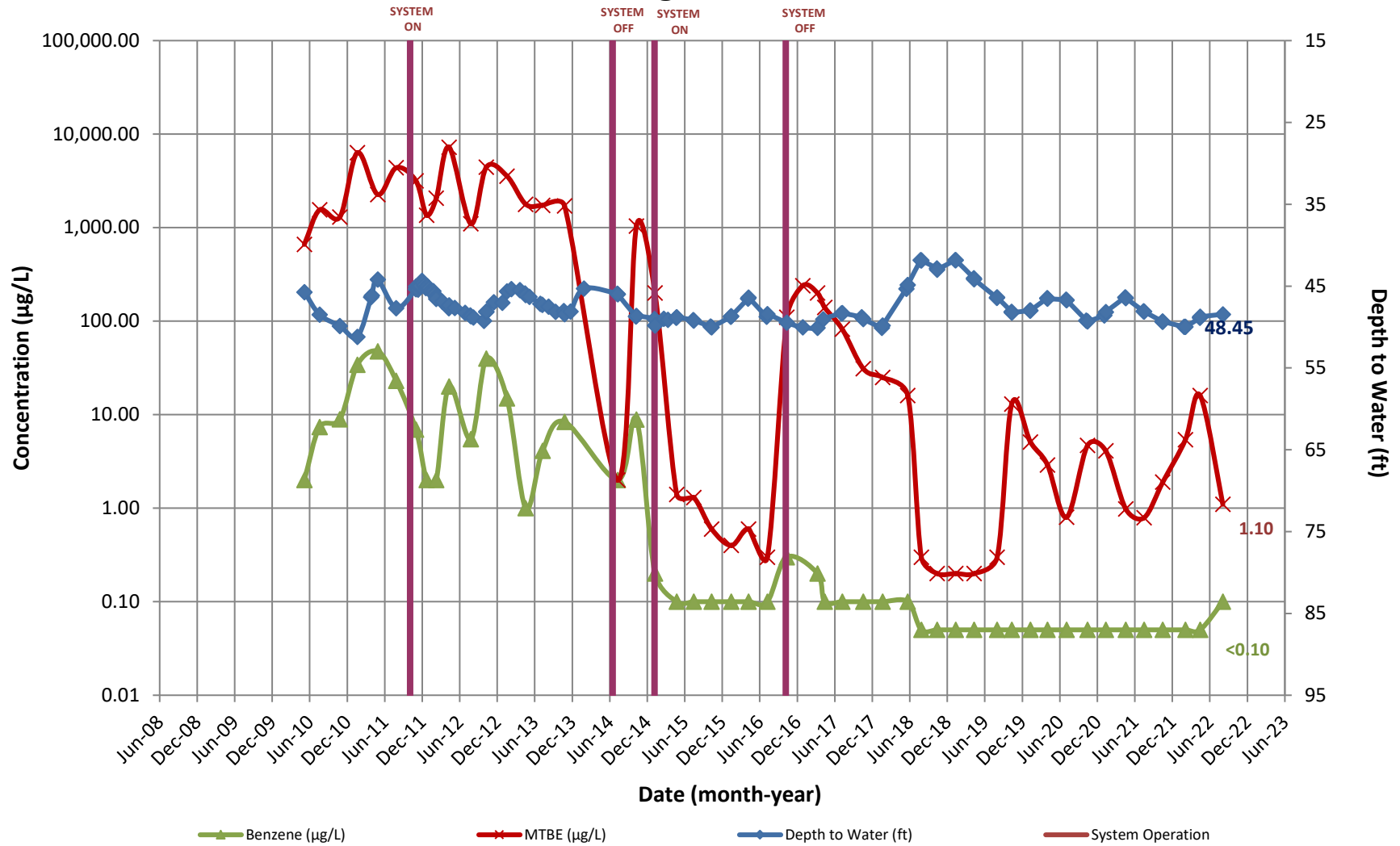
Monitoring Well MW-14B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

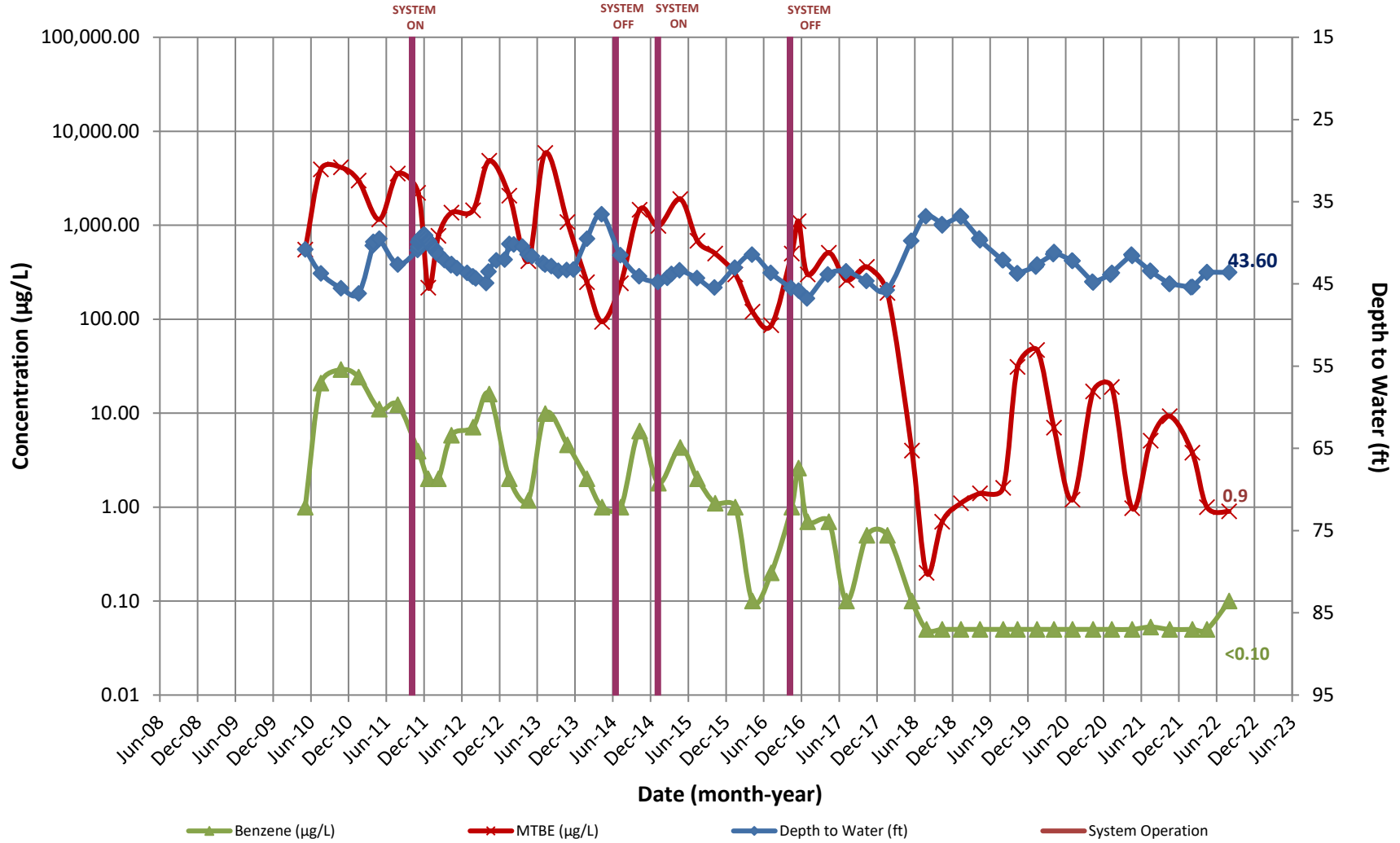
Monitoring Well MW-15



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

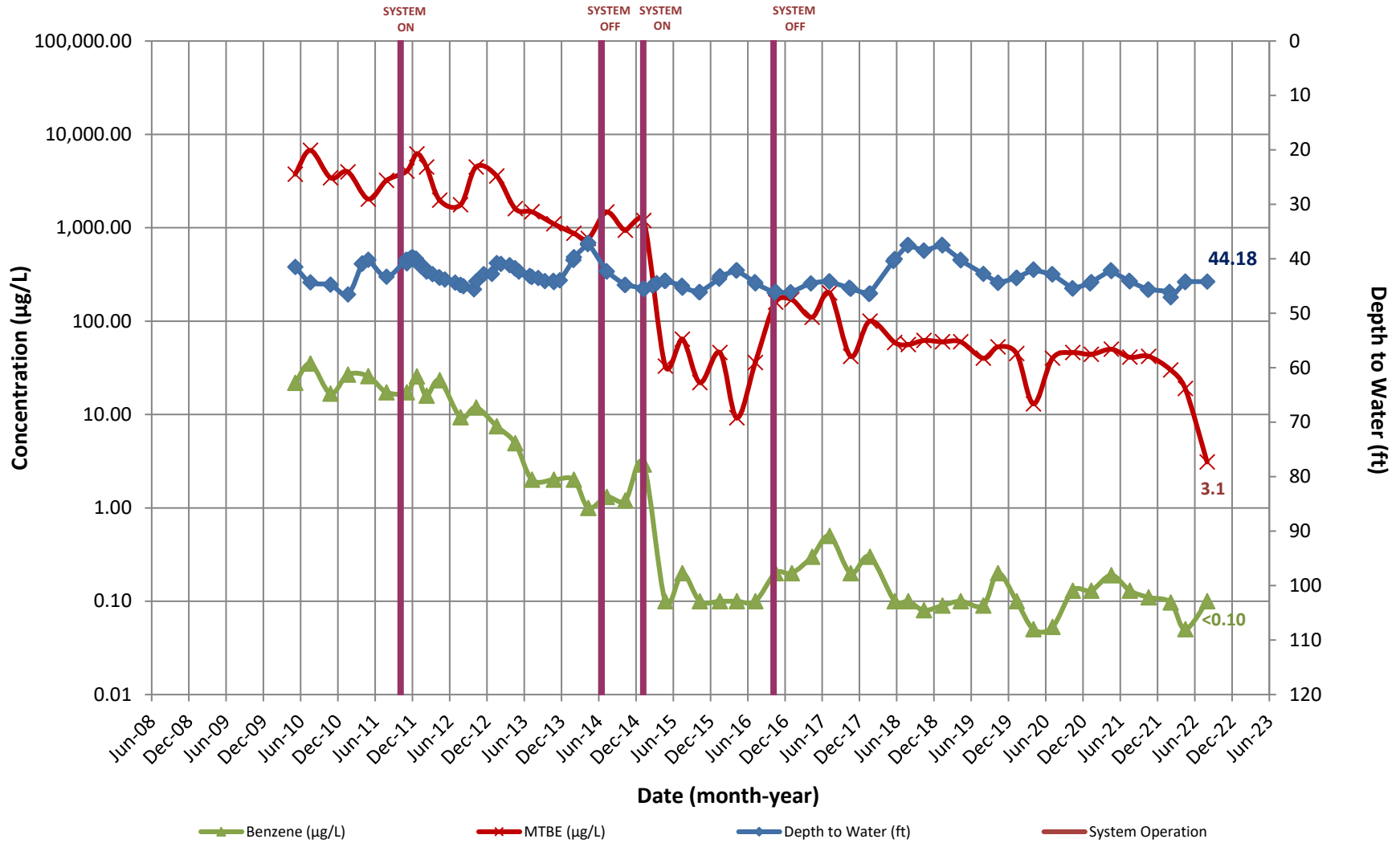
Monitoring Well MW-16A



CONCENTRATION HYDROGRAPHS

Carroll Independant Fuel - Wally's
19200 Middletown Rd., Parkton, MD

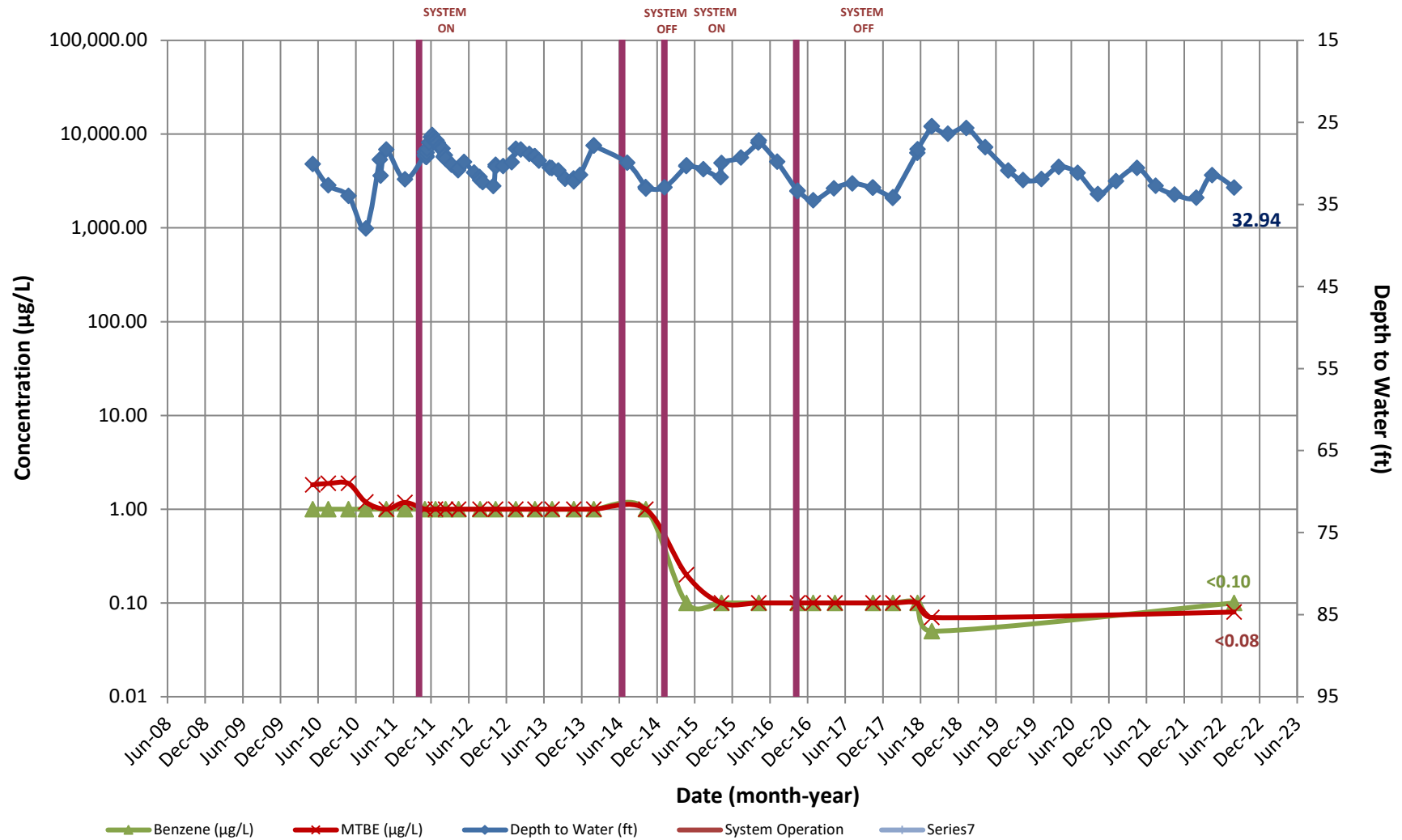
Monitoring Well MW-16B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

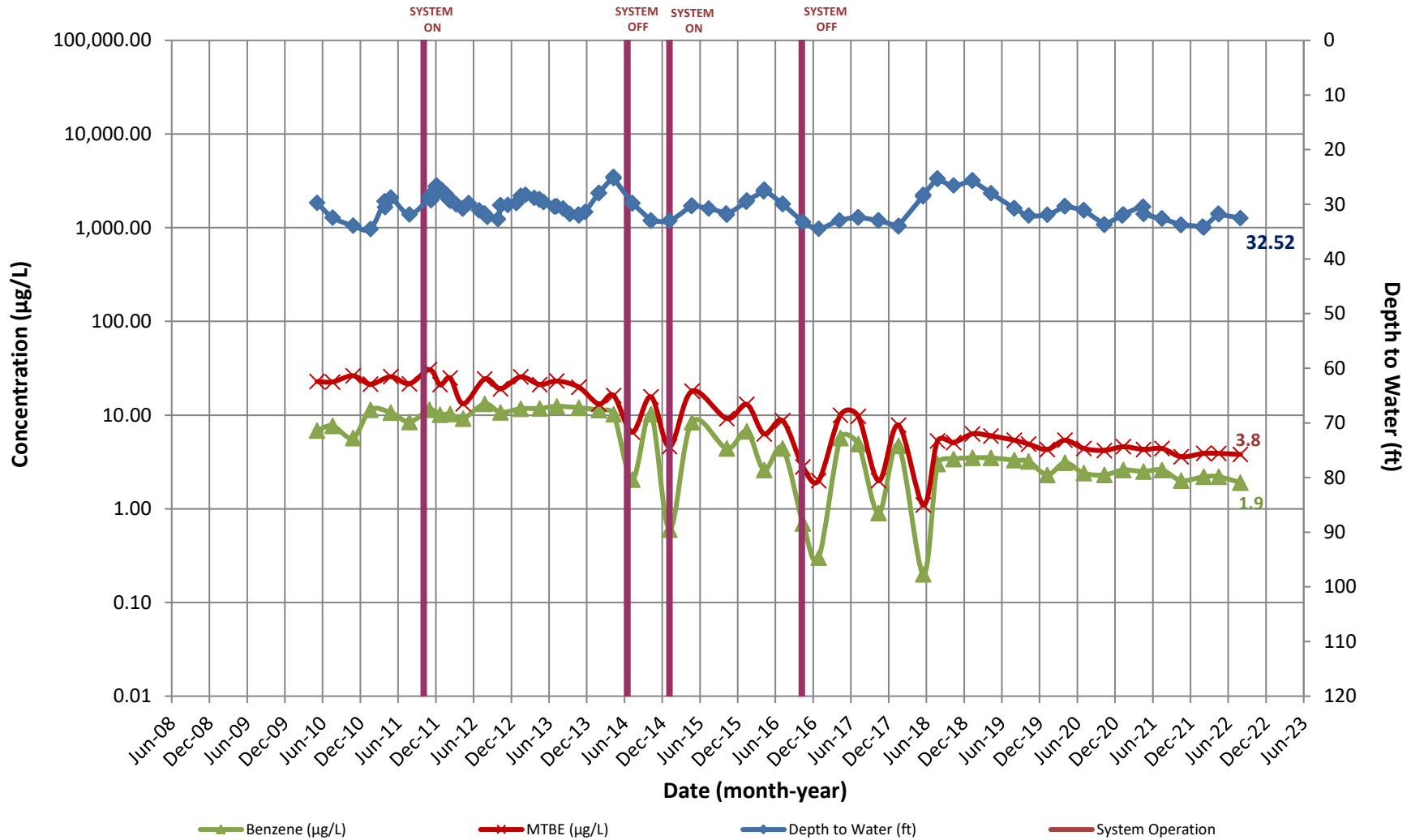
Monitoring Well MW-17A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

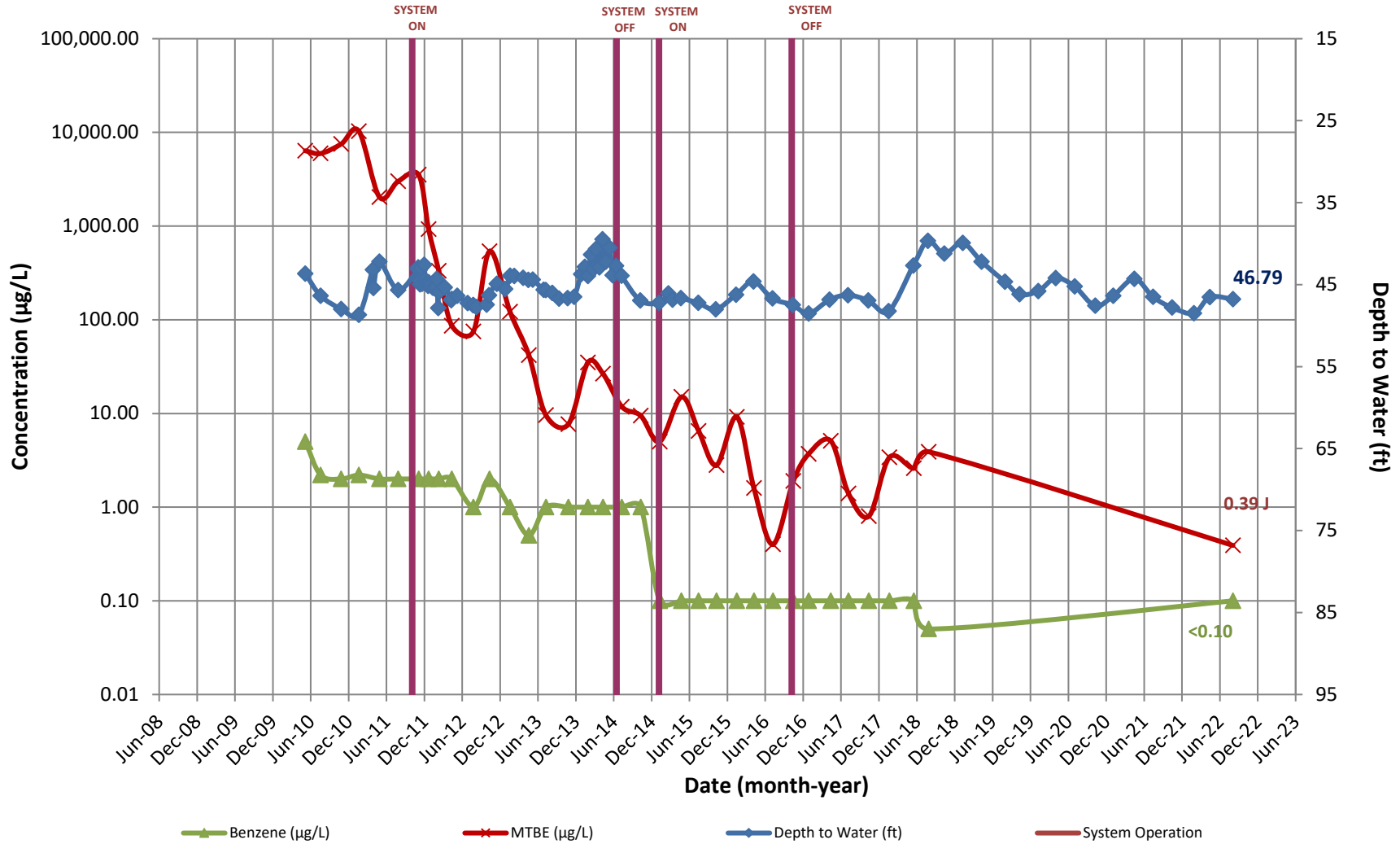
Monitoring Well MW-17B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

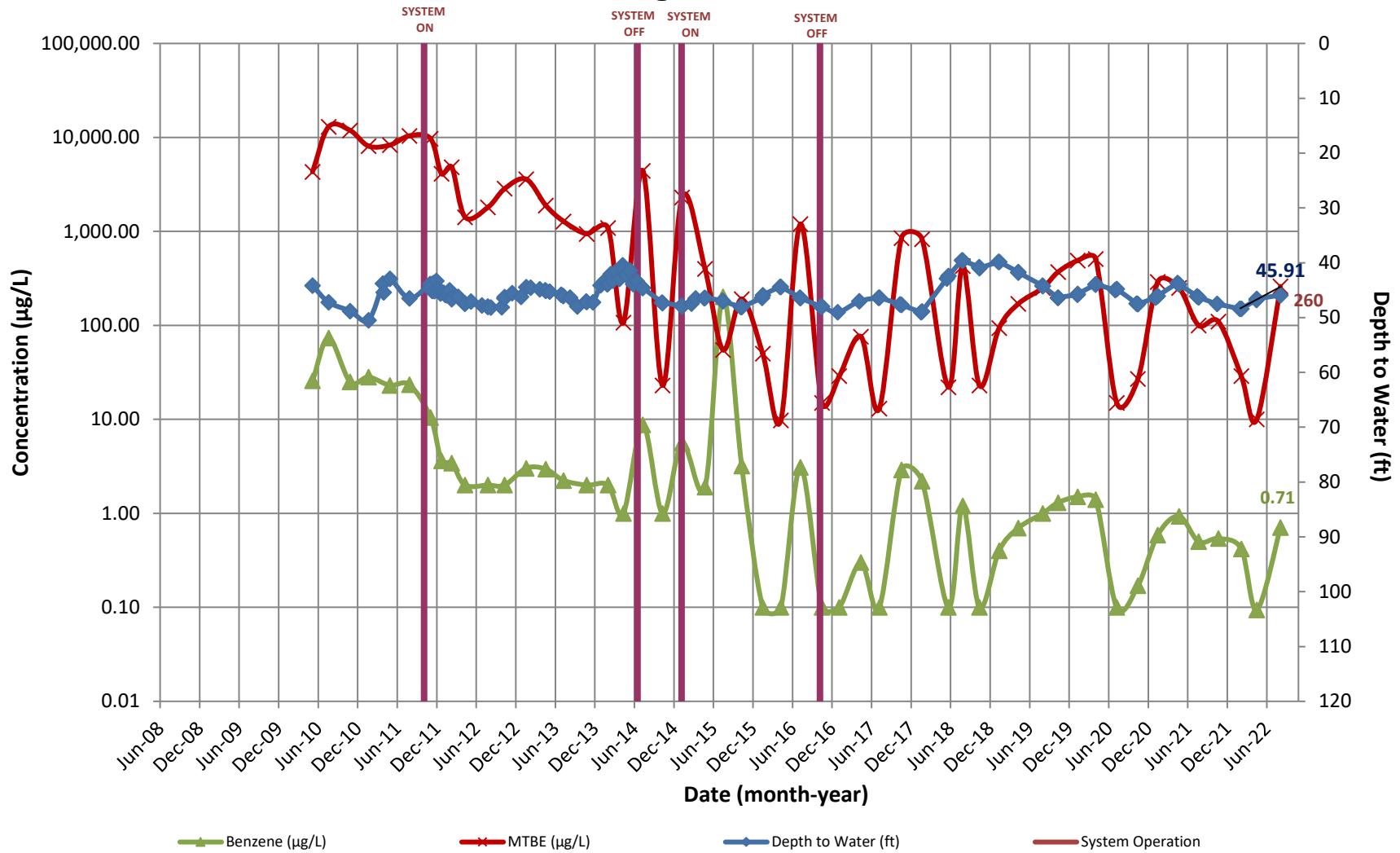
Monitoring Well MW-18A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

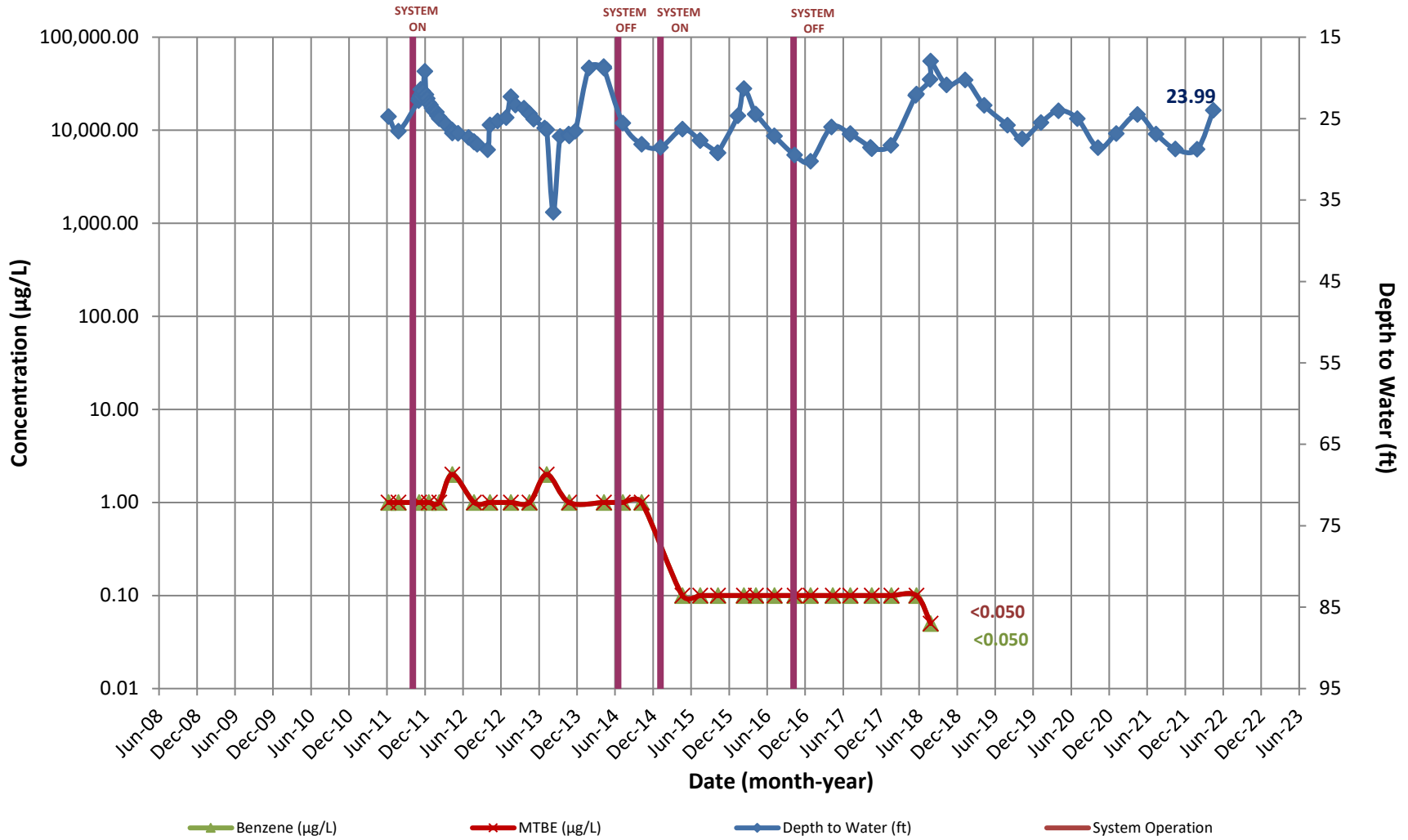
Monitoring Well MW-18B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
 19200 Middletown Rd., Parkton, MD

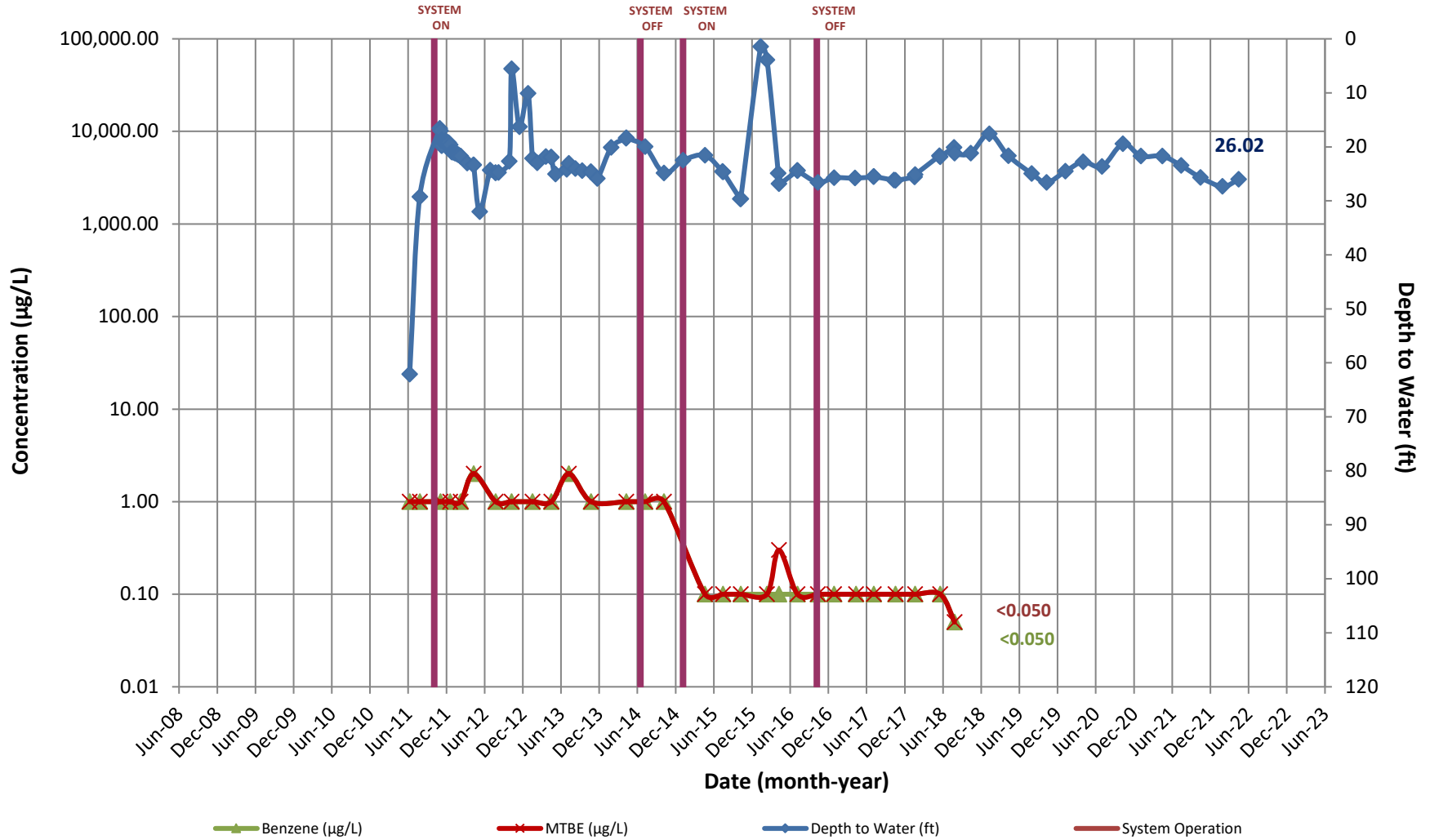
Monitoring Well MW-19A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
 19200 Middletown Rd., Parkton, MD

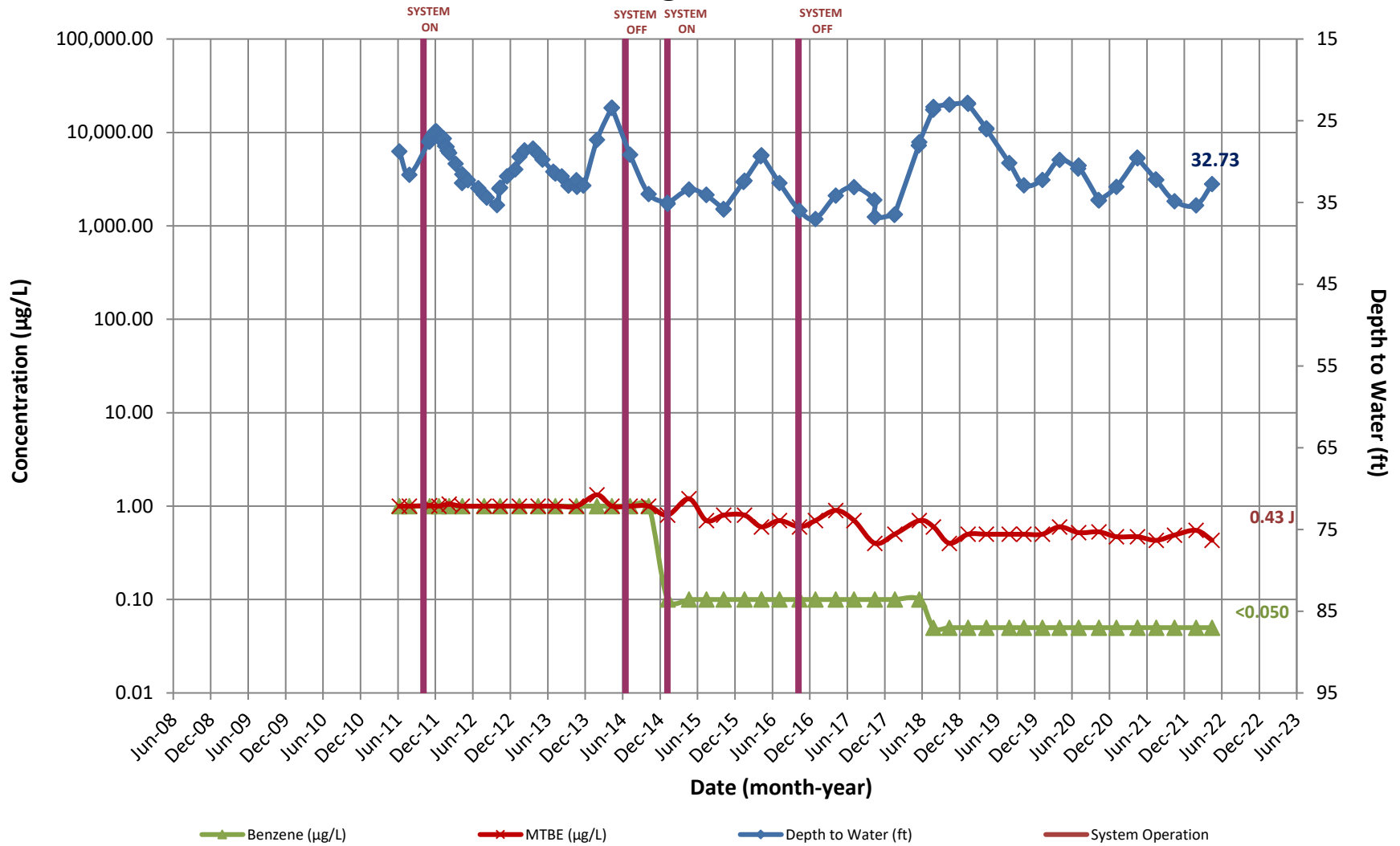
Monitoring Well MW-19B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

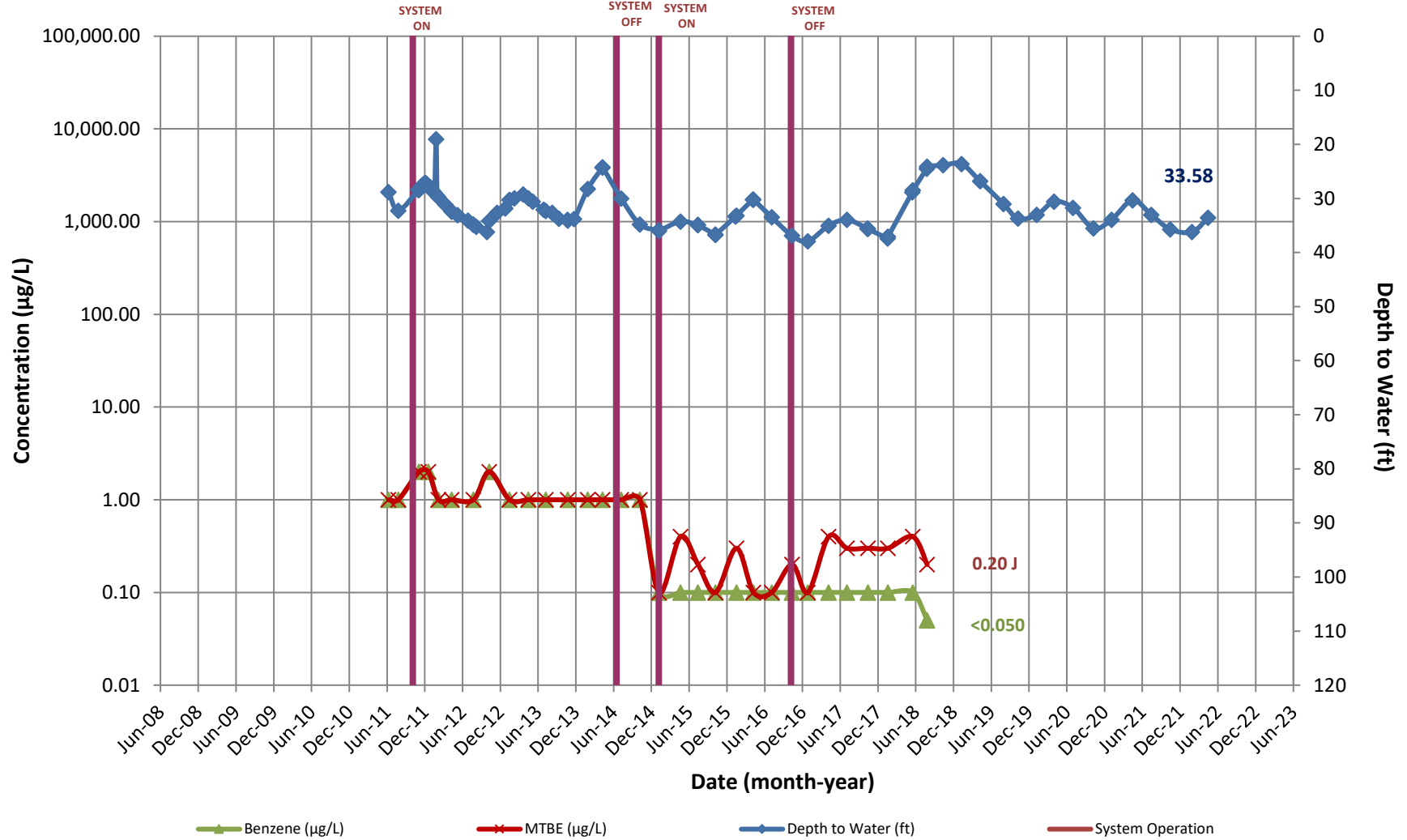
Monitoring Well MW-20A



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

Monitoring Well MW-20B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

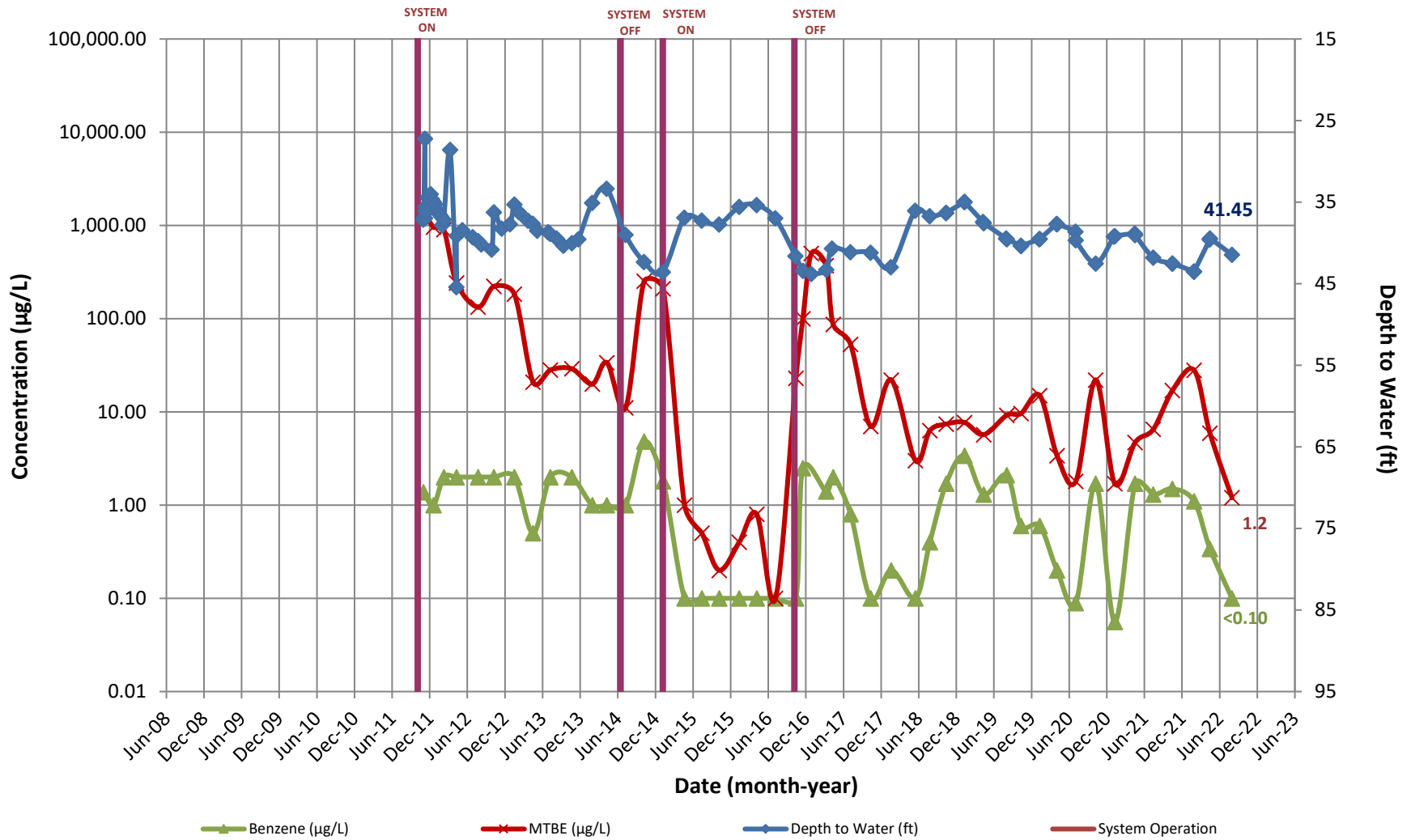
Monitoring Well MW-21



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

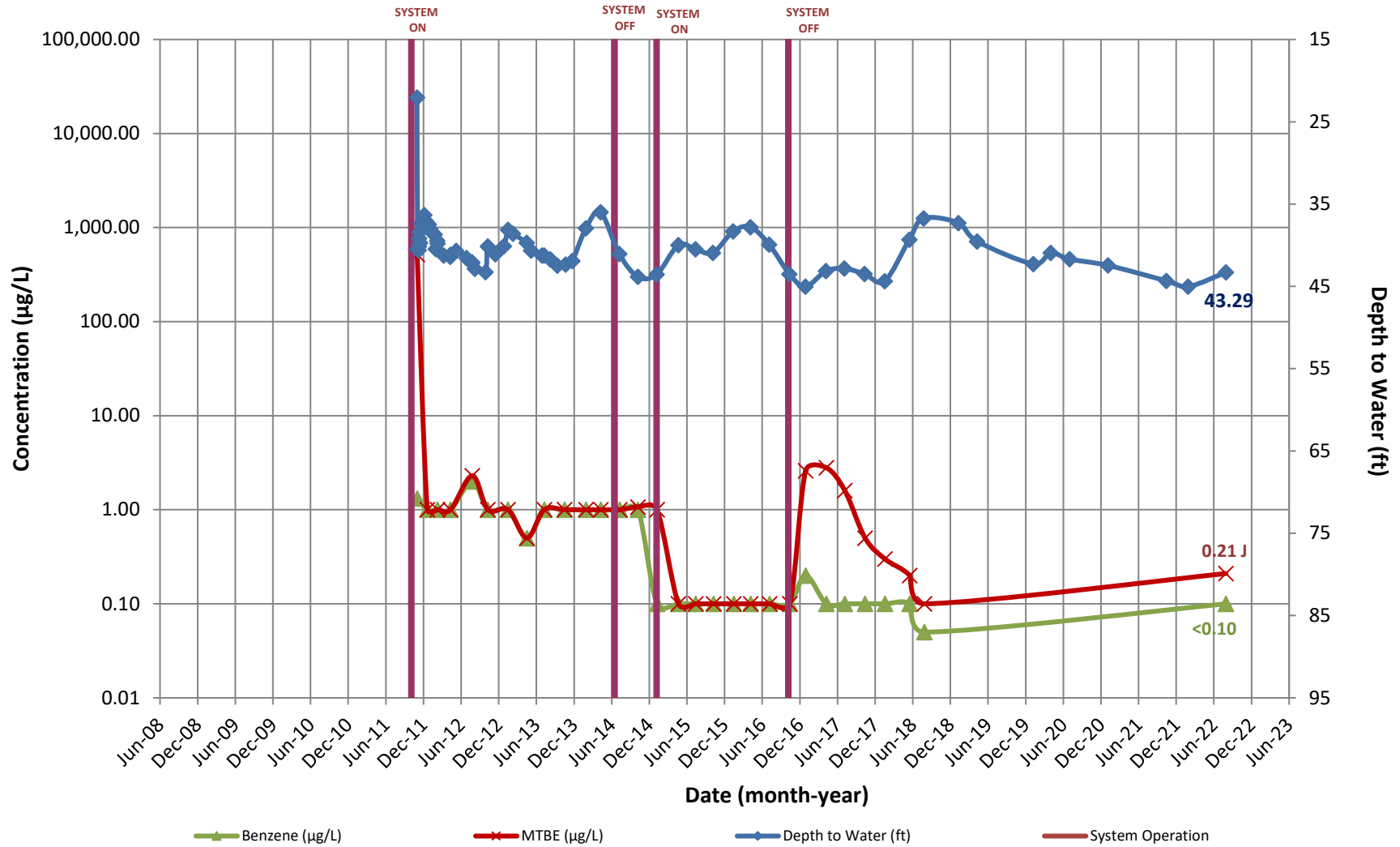
Monitoring Well MW-22



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

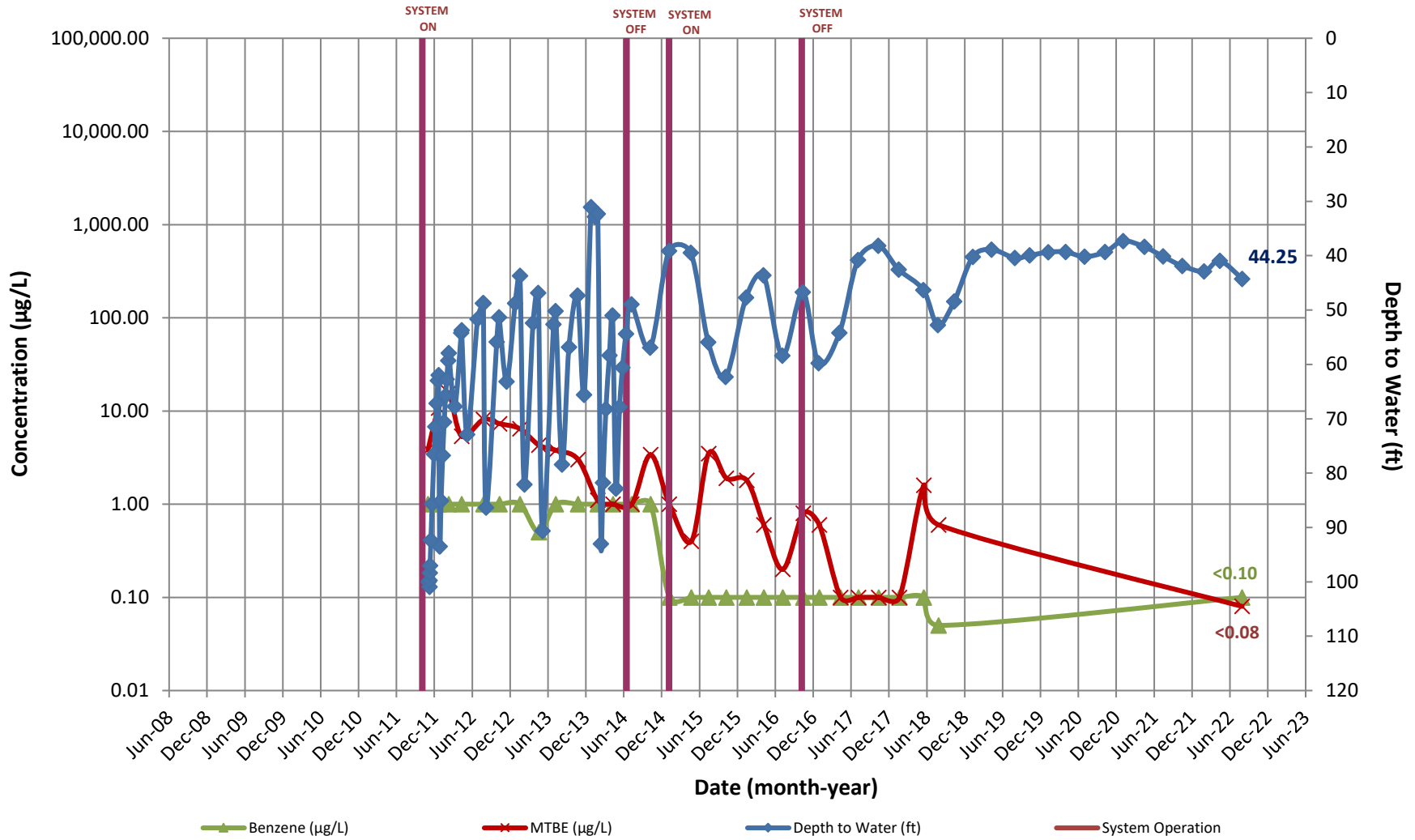
Monitoring Well MW-23



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

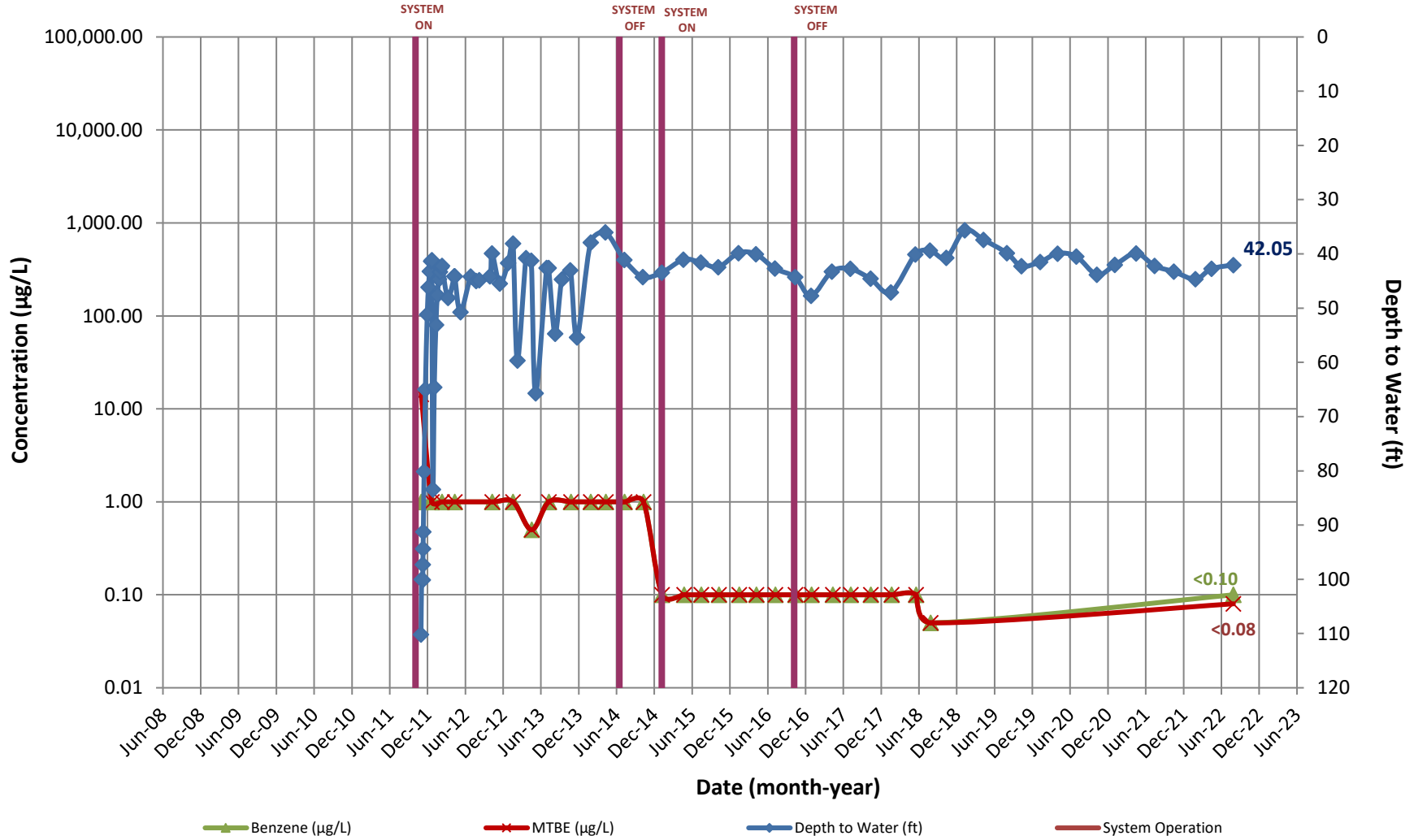
Monitoring Well MW-24B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
 19200 Middletown Rd., Parkton, MD

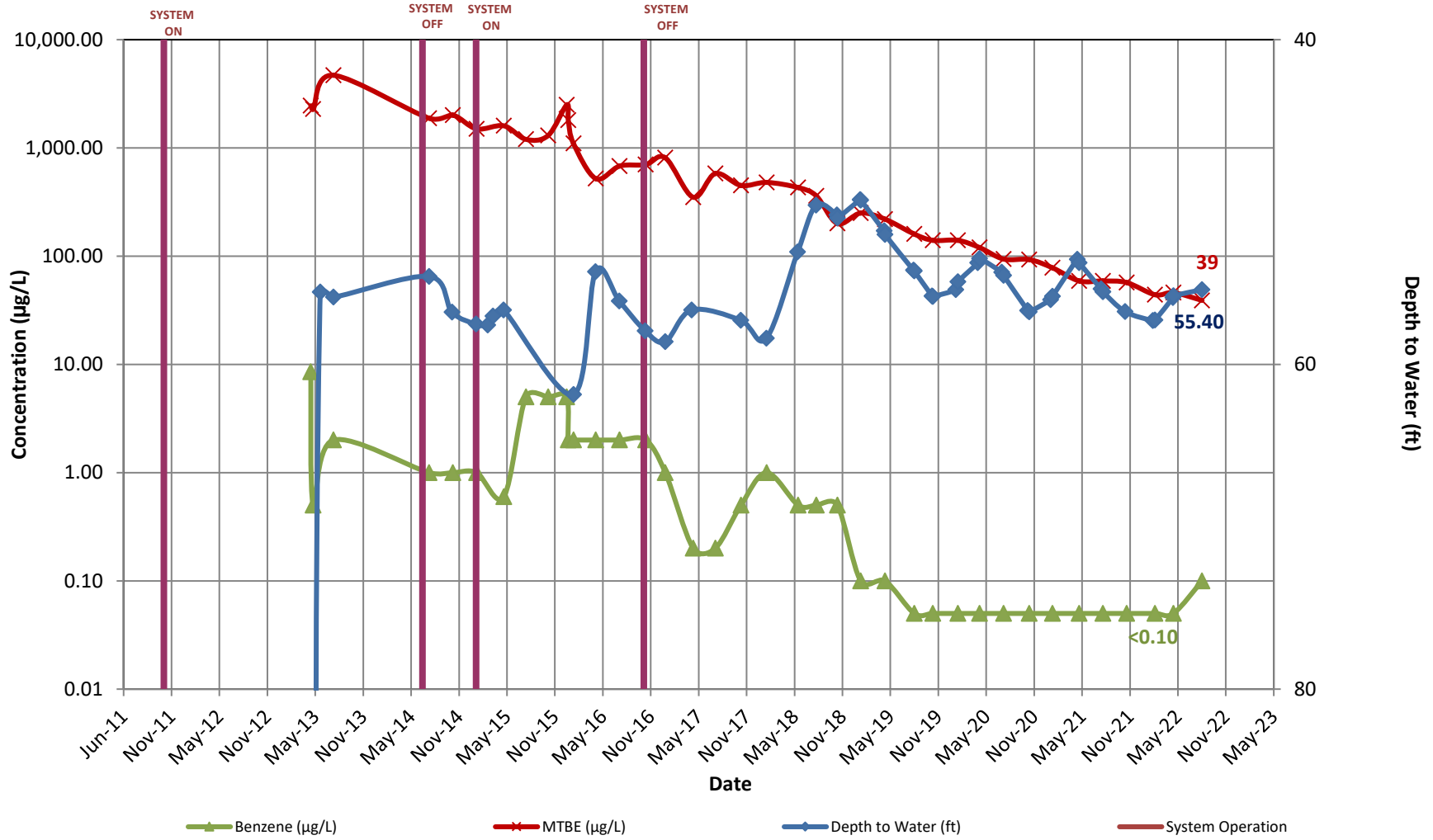
Monitoring Well MW-25B



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

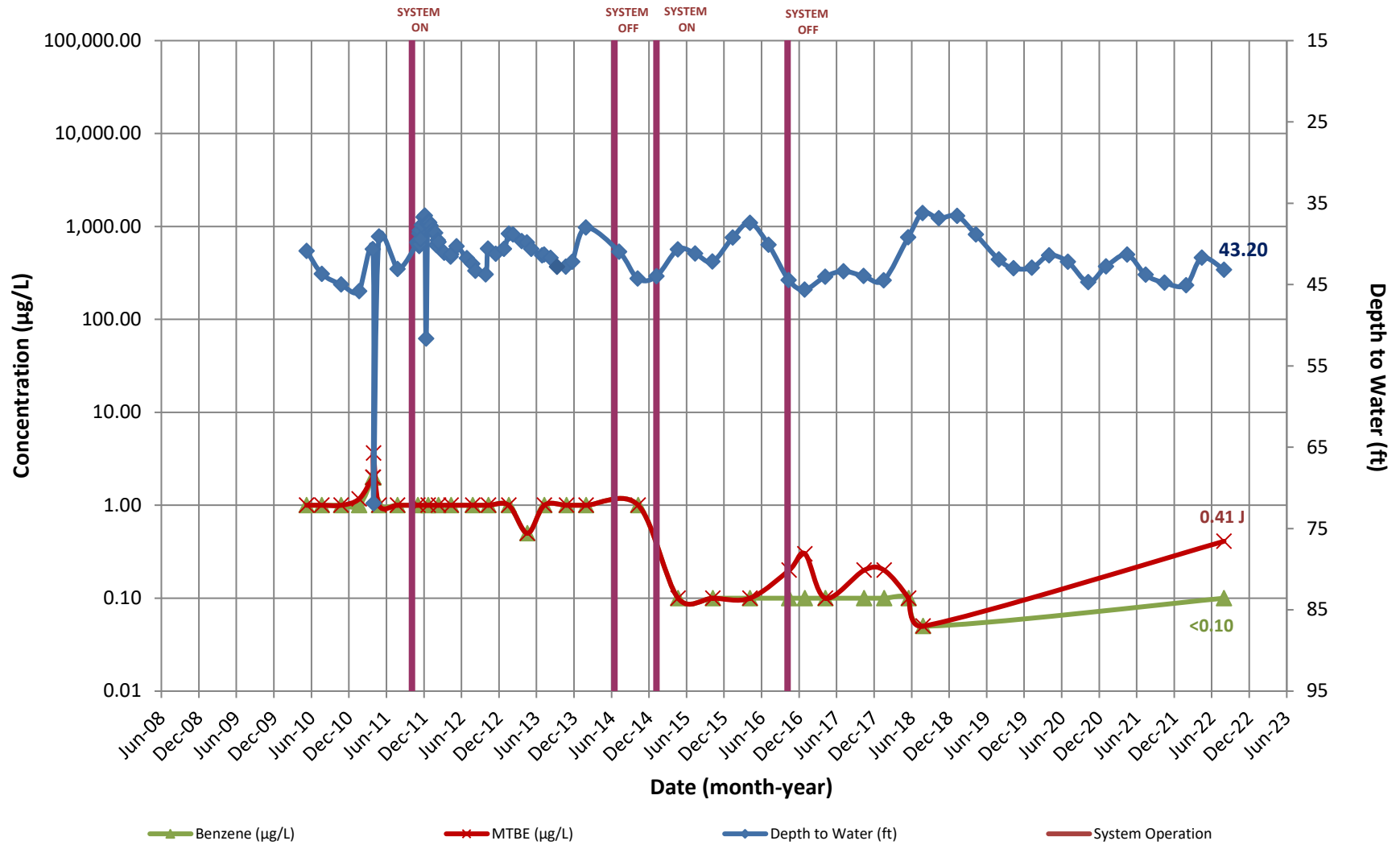
Monitoring Well 1608R



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

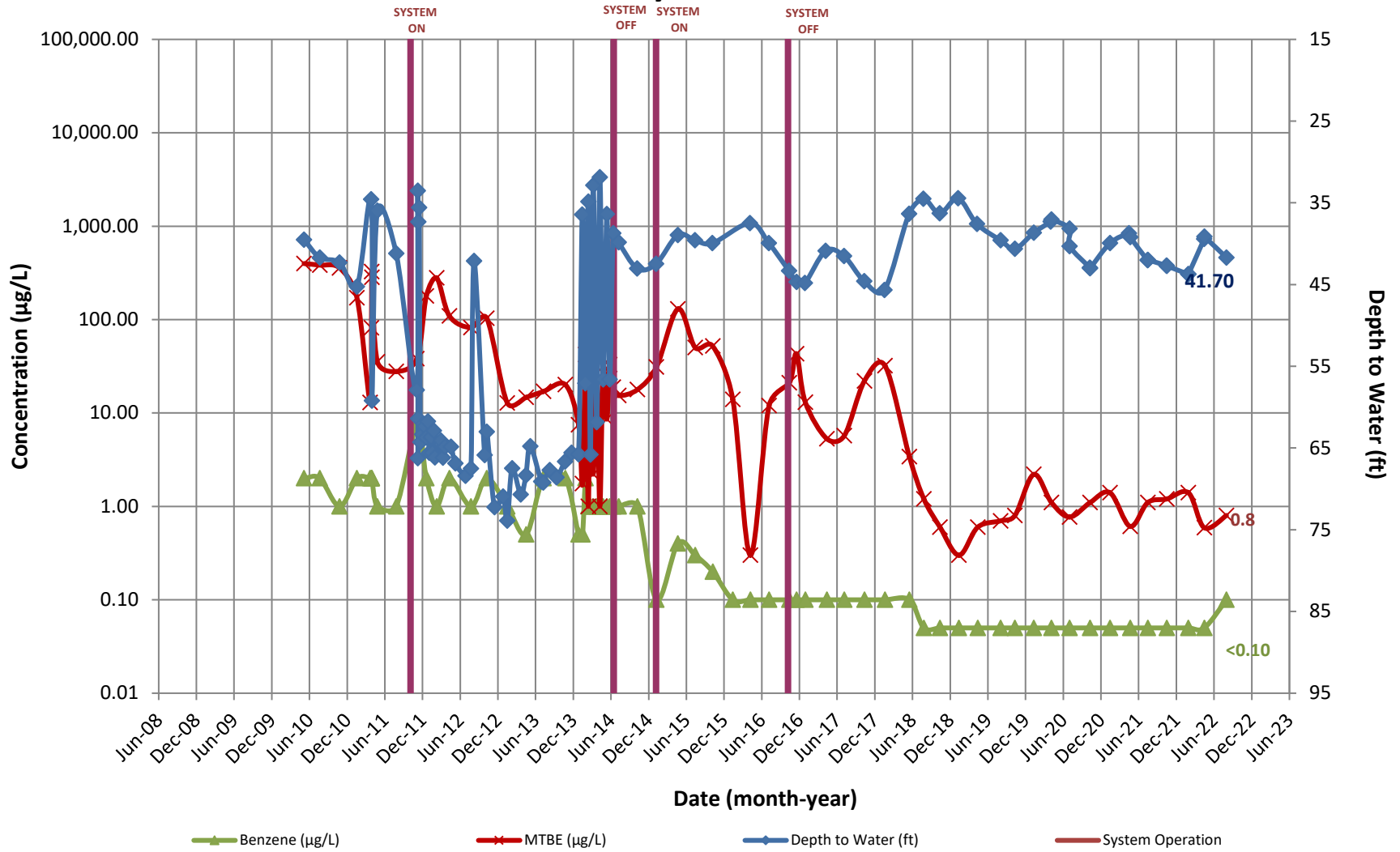
Recovery Well RW-3



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

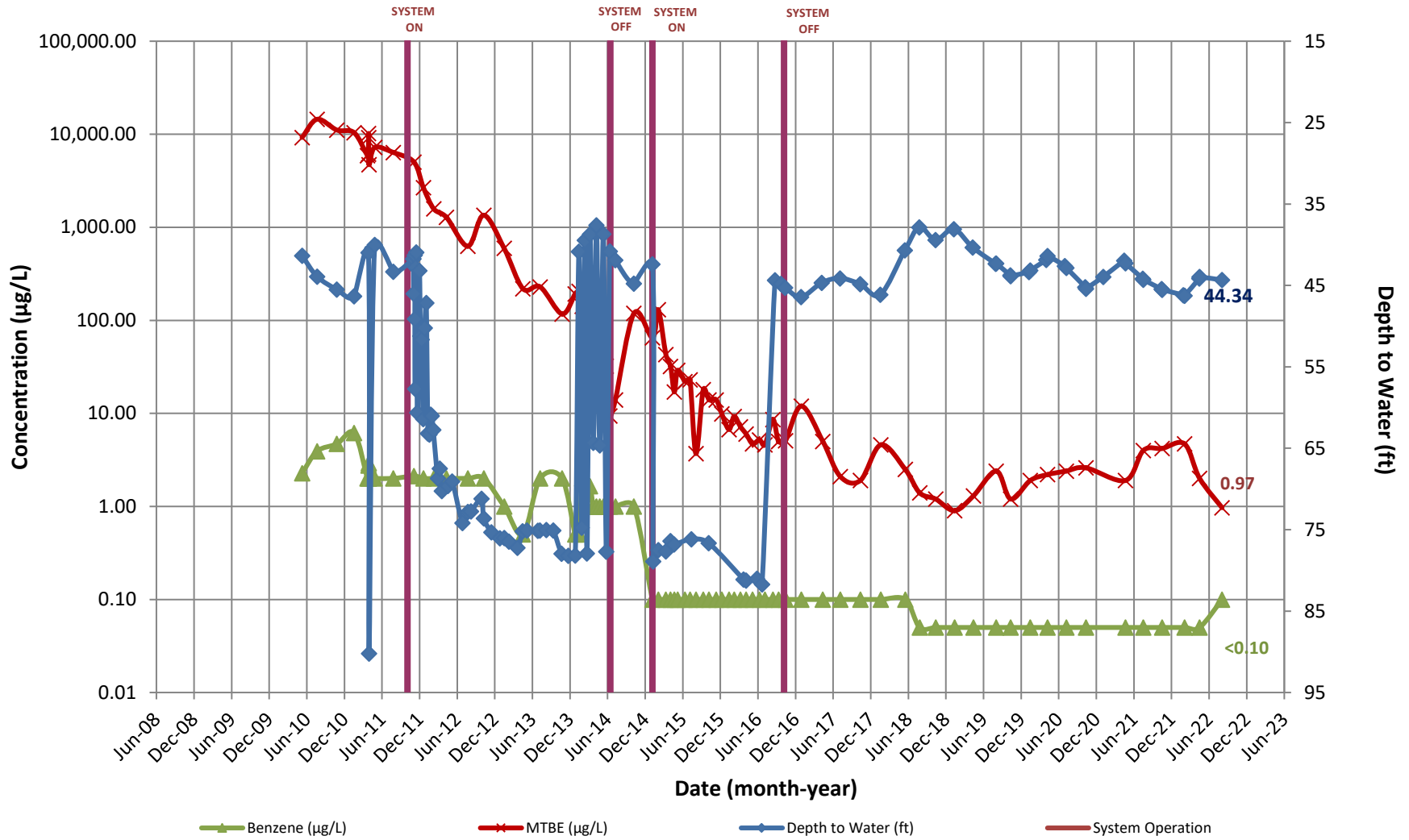
Recovery Well RW-1



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

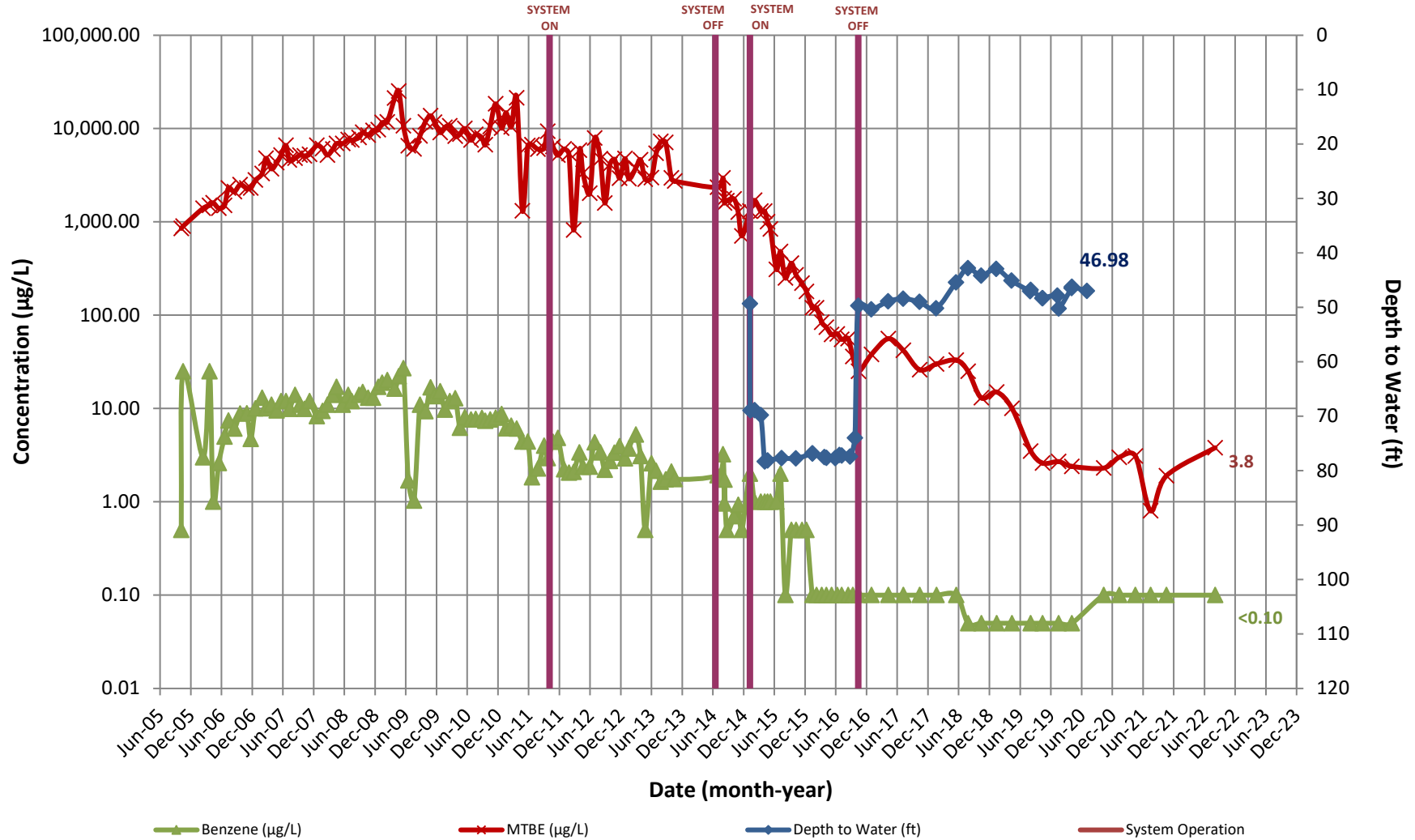
Recovery Well RW-2



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

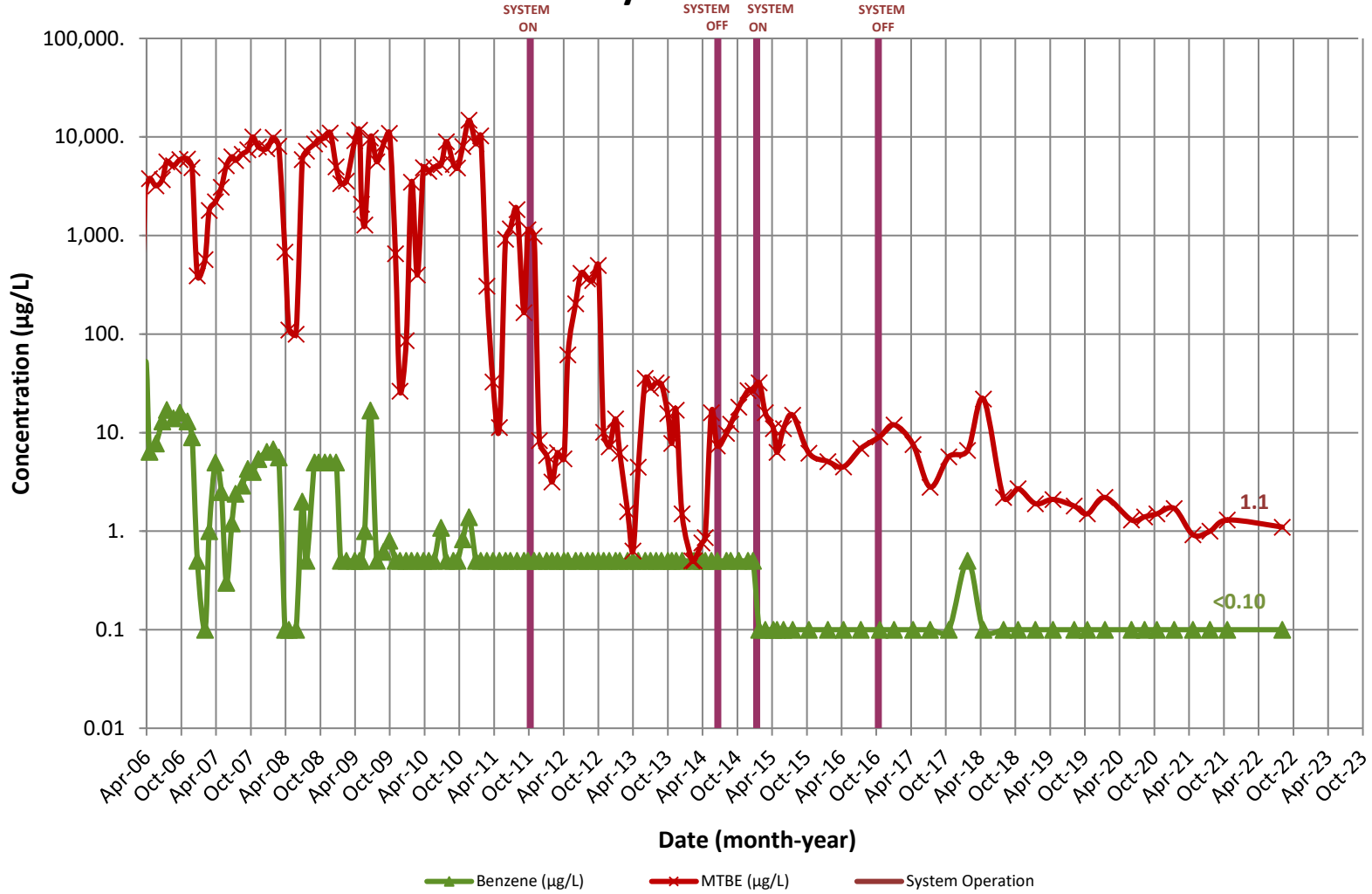
1608 Rayville Road Influent (Former RW-4)



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

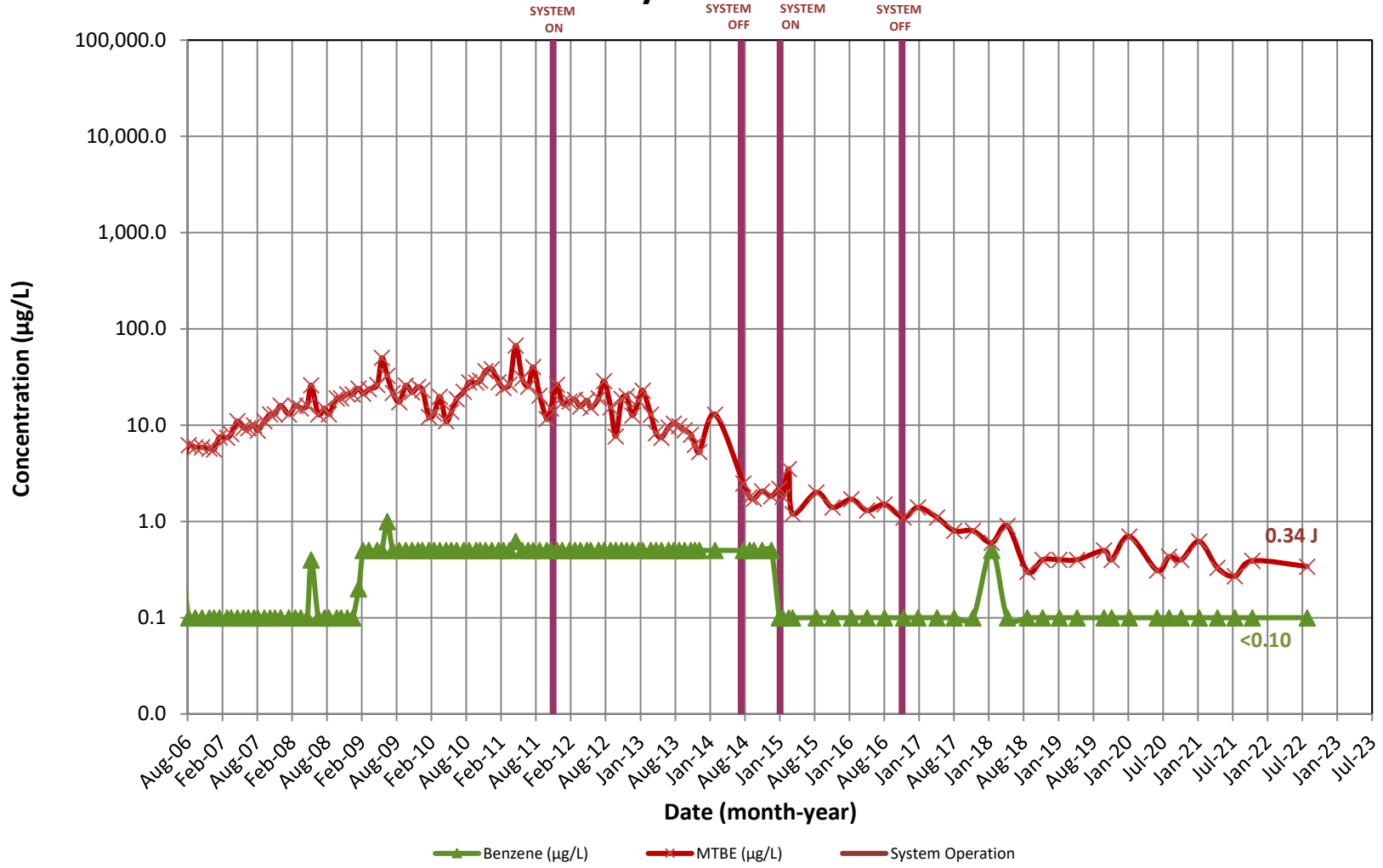
1606 Rayville Road Influent



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

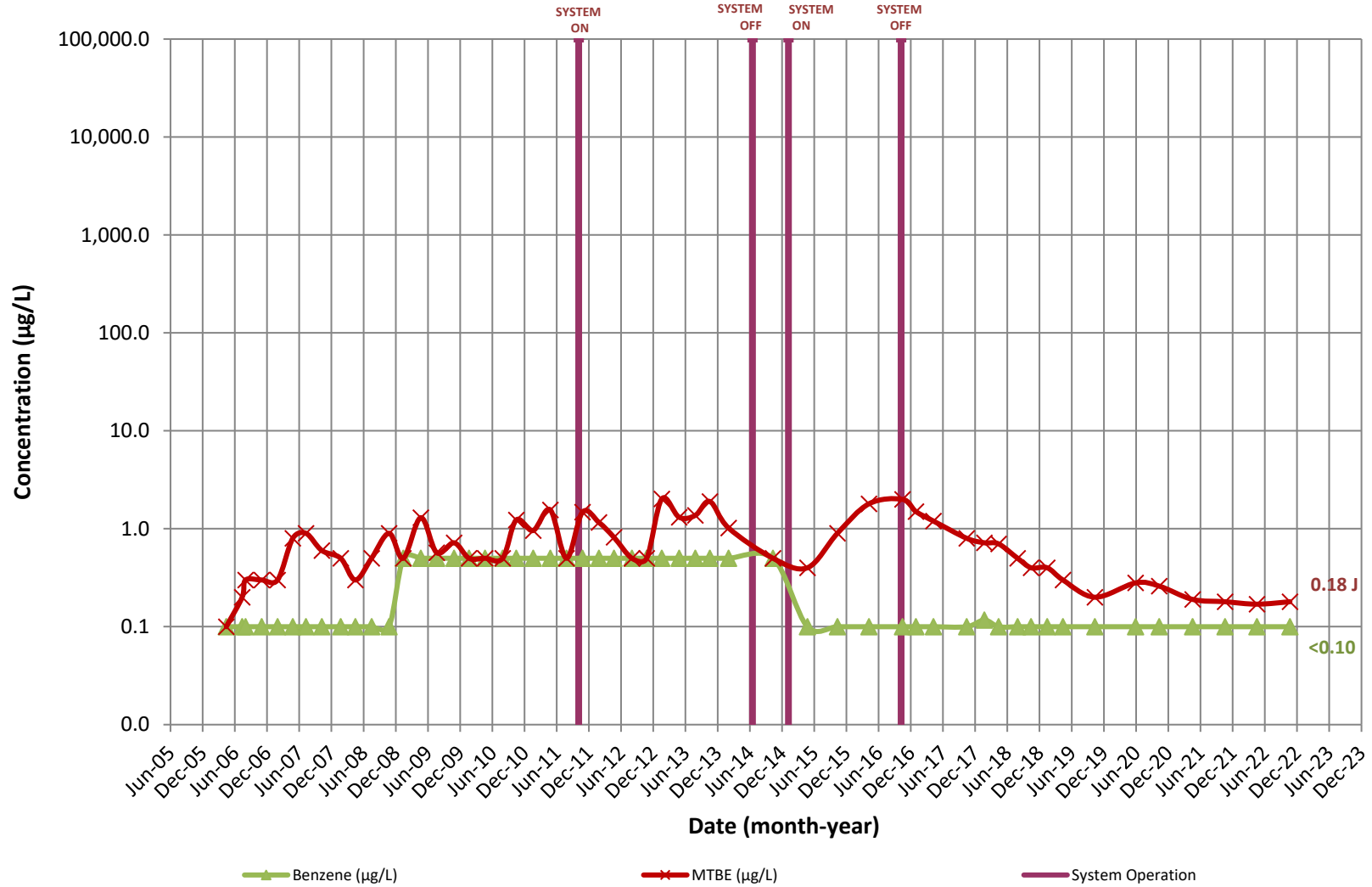
1612 Rayville Road Influent



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

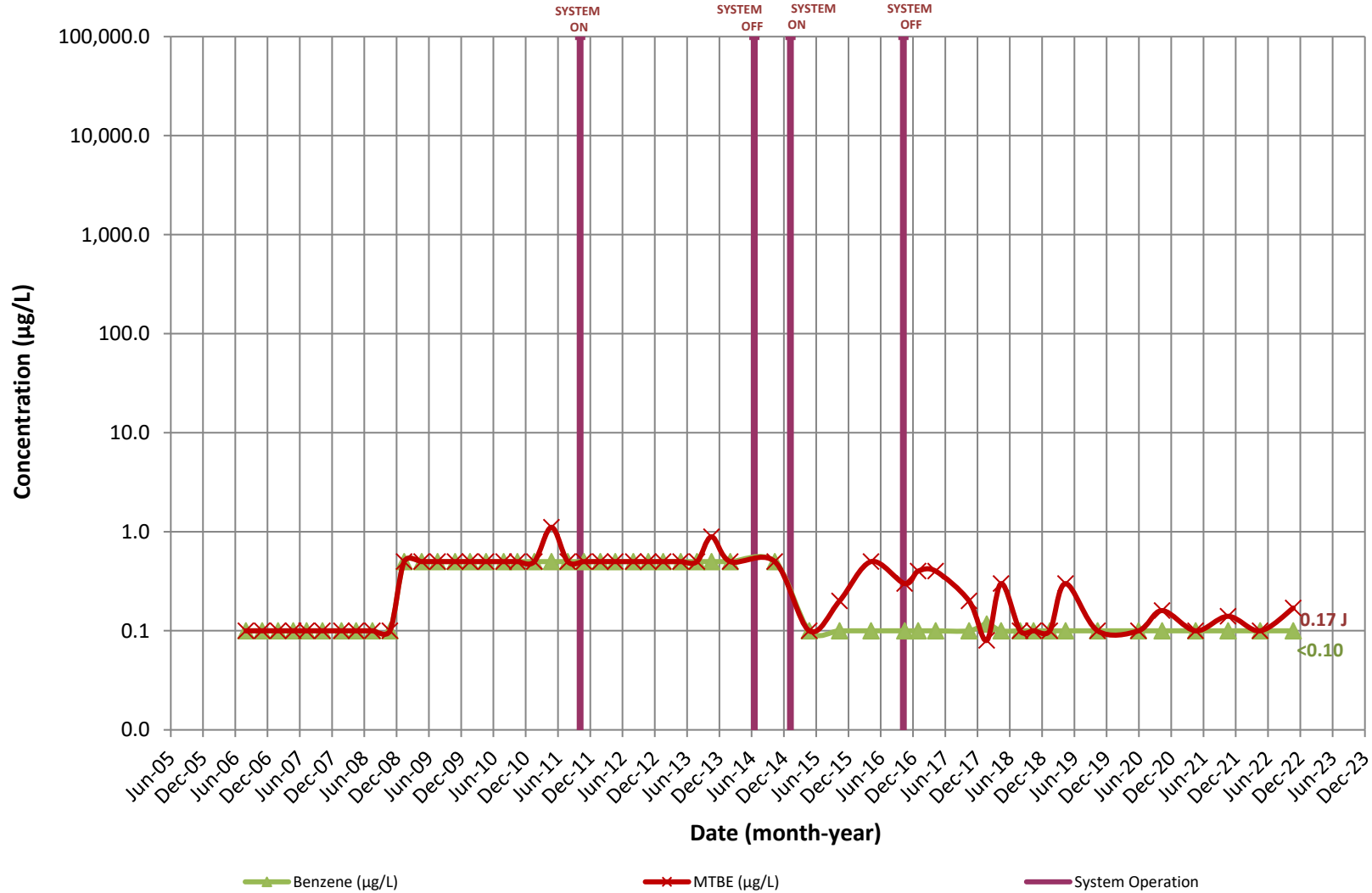
19200 Middletown Road PW-01 Influent



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

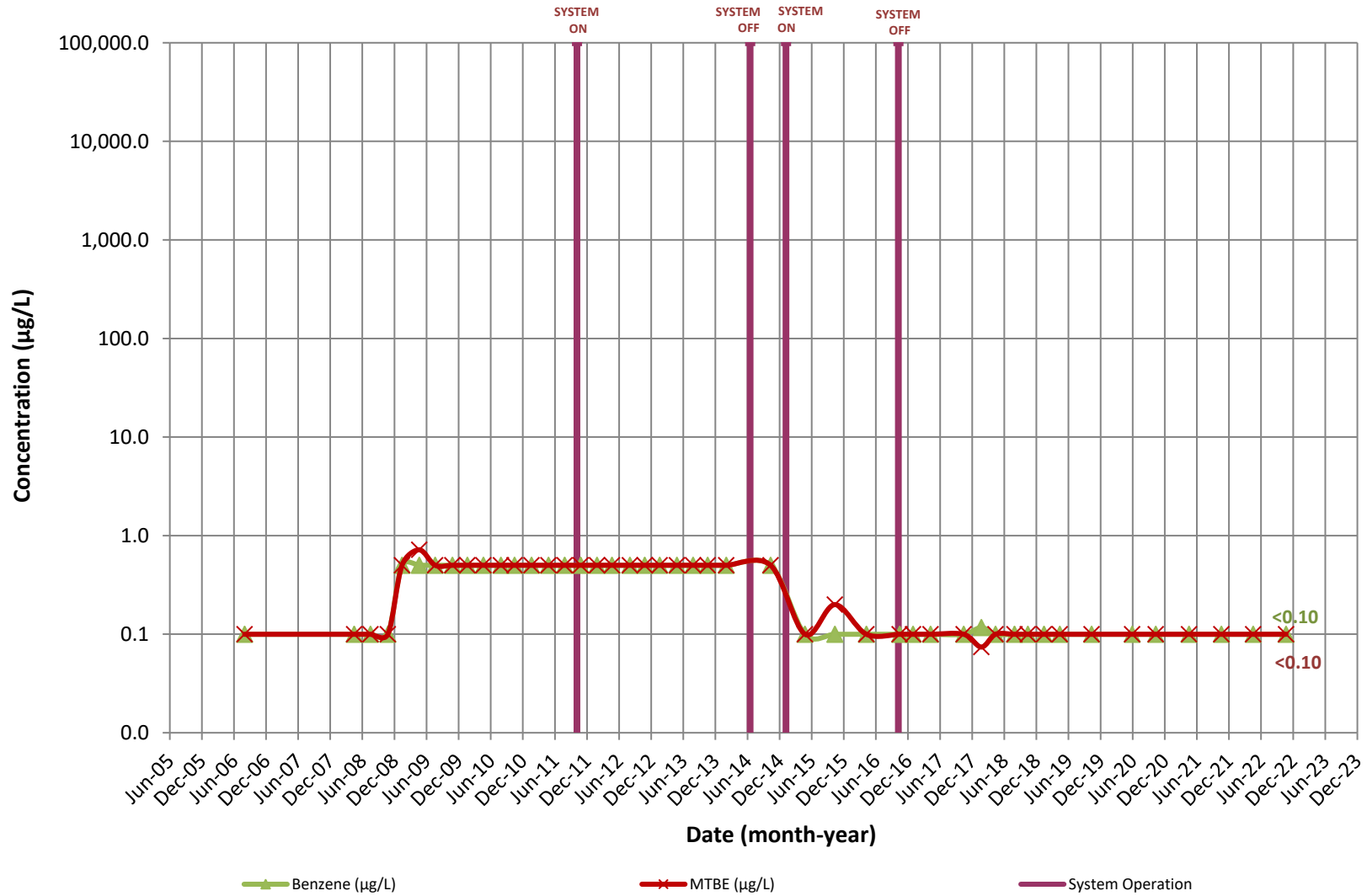
19200 Middletown Road PW-02 Influent



CONCENTRATION HYDROGRAPHS

Carroll Independent Fuel - Wally's
19200 Middletown Rd., Parkton, MD

19200 Middletown Road PW-03 Influent



APPENDIX E

Mann Kendall Analyses - Benzene

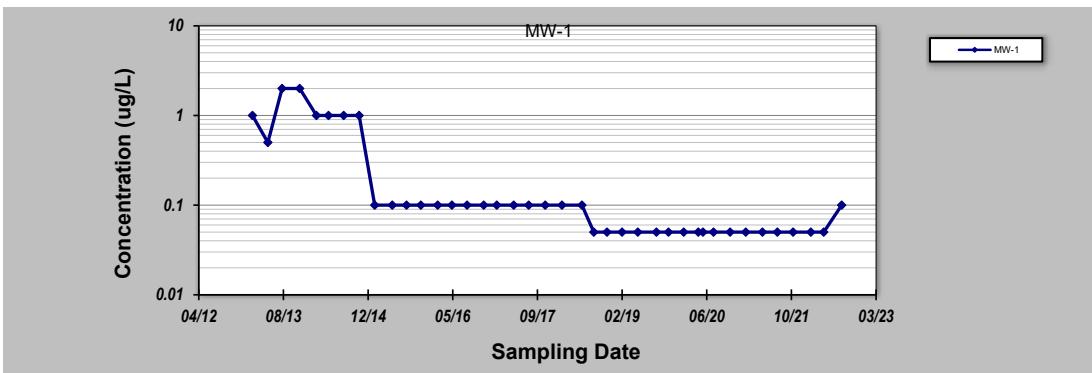
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-1**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	02/12/2013	1.0					
2	5/14/2013	0.5					
3	08/06/2013	2.0					
4	11/18/2013	2.0					
5	02/25/2014	1					
6	05/07/2014	1					
7	08/05/2014	1					
8	11/04/2014	1					
9	02/04/2015	0.1					
10	05/19/2015	0.1					
11	08/11/2015	0.1					
12	11/03/2015	0.1					
13	02/11/2016	0.1					
14	05/05/2016	0.1					
15	8/2/2016	0.1					
16	11/09/2016	0.1					
17	01/25/2017	0.1					
18	05/05/2017	0.1					
19	08/01/2017	0.1					
20	11/07/2017	0.1					
21	02/14/2018	0.1					
22	06/12/2018	0.1					
23	08/21/2018	0.05					
24	11/07/2018	0.05					
25	02/04/2019	0.05					
26	05/08/2019	0.05					
27	08/26/2019	0.05					
28	11/05/2019	0.05					
29	02/03/2020	0.05					
30	04/29/2020	0.05					
31	05/27/2020	0.05					
32	07/28/2020	0.05					
33	11/03/2020	0.05					
34	02/03/2021	0.05					
35	05/13/2021	0.05					
36	08/09/2021	0.05					
37	11/10/2021	0.05					
38	02/23/2022	0.05					
39	05/10/2022	0.05					
40	08/24/2022	0.10					

Coefficient of Variation:	1.70
Mann-Kendall Statistic (S):	-478
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI Environmental Inc., www.gsi-net.com

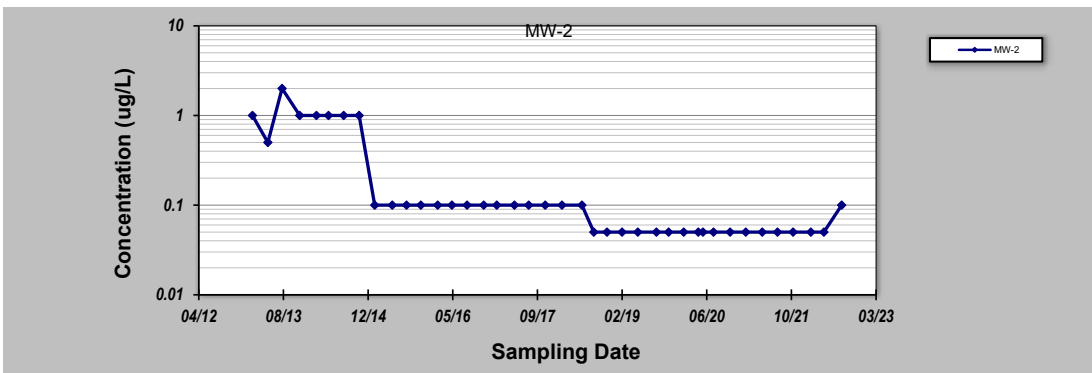
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-2**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	02/12/2013	1					
2	5/14/2013	0.5					
3	08/06/2013	2					
4	11/18/2013	1					
5	02/25/2014	1					
6	05/07/2014	1					
7	08/05/2014	1					
8	11/04/2014	1					
9	02/04/2015	0.1					
10	05/19/2015	0.1					
11	08/11/2015	0.1					
12	11/03/2015	0.1					
13	02/11/2016	0.1					
14	05/05/2016	0.1					
15	8/2/2016	0.1					
16	11/09/2016	0.1					
17	01/25/2017	0.1					
18	05/09/2017	0.1					
19	08/01/2017	0.1					
20	11/07/2017	0.1					
21	02/14/2018	0.1					
22	06/12/2018	0.1					
23	08/21/2018	0.05					
24	11/07/2018	0.05					
25	02/04/2019	0.05					
26	05/08/2019	0.05					
27	08/26/2019	0.05					
28	11/06/2019	0.05					
29	02/03/2020	0.05					
30	04/29/2020	0.05					
31	05/27/2020	0.05					
32	07/28/2020	0.05					
33	11/03/2020	0.05					
34	02/03/2021	0.05					
35	05/12/2021	0.05					
36	08/10/2021	0.05					
37	11/10/2021	0.05					
38	02/23/2022	0.05					
39	05/11/2022	0.05					
40	08/24/2022	0.10					

Coefficient of Variation:	1.62
Mann-Kendall Statistic (S):	-476
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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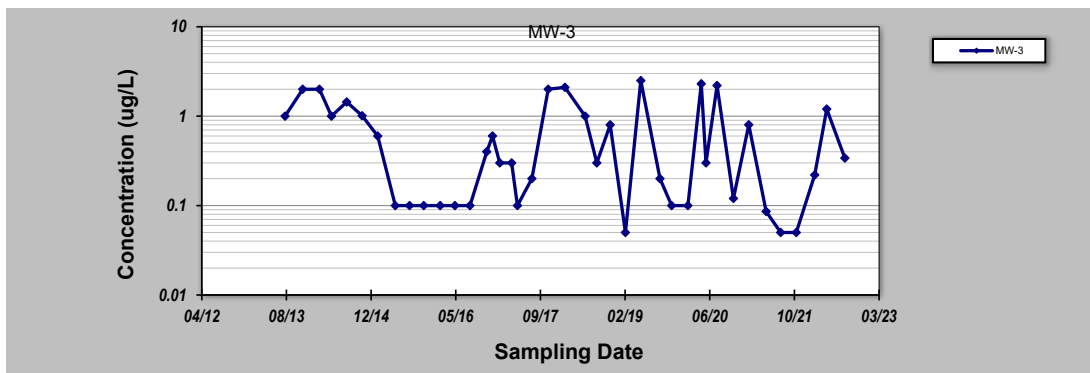
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene- Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-3**

Sampling Event	Sampling Date	BENZENE- LONG TERM CONCENTRATION (ug/L)					
1	08/06/2013	1.0					
2	11/18/2013	2.0					
3	02/25/2014	2.0					
4	05/07/2014	1.0					
5	08/05/2014	1.44					
6	11/04/2014	1.01					
7	02/04/2015	0.6					
8	05/19/2015	0.1					
9	08/11/2015	0.1					
10	11/03/2015	0.1					
11	02/08/2016	0.1					
12	05/05/2016	0.1					
13	08/02/2016	0.1					
14	11/09/2016	0.4					
15	12/13/2016	0.6					
16	01/25/2017	0.3					
17	04/05/2017	0.3					
18	05/09/2017	0.1					
19	08/02/2017	0.2					
20	11/07/2017	2.0					
21	02/14/2018	2.1					
22	06/13/2018	1.0					
23	08/21/2018	0.3					
24	11/08/2018	0.8					
25	02/06/2019	0.1					
26	05/08/2019	2.5					
27	08/29/2019	0.2					
28	11/06/2019	0.1					
29	02/10/2020	0.1					
30	04/29/2020	2.3					
31	05/27/2020	0.3					
32	07/31/2020	2.2					
33	11/05/2020	0.12					
34	02/03/2021	0.80					
35	05/17/2021	0.09					
36	08/11/2021	0.05					
37	11/11/2021	0.05					
38	02/28/2022	0.22					
39	05/10/2022	1.2					
40	08/25/2022	0.34					

Coefficient of Variation:	1.09
Mann-Kendall Statistic (S):	-102
Confidence Factor:	87.9%
Concentration Trend:	No Trend



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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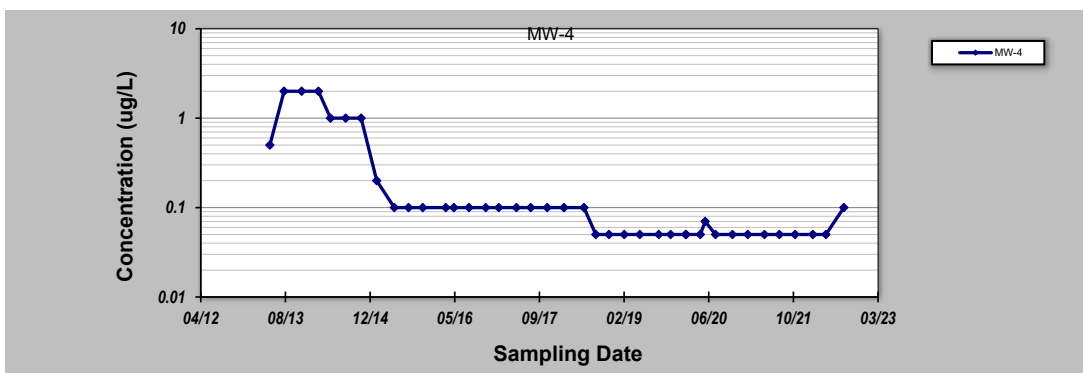
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-4**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	05/14/2013	0.5					
2	8/6/2013	2.0					
3	11/18/2013	2.0					
4	02/25/2014	2.0					
5	05/07/2014	1.0					
6	08/05/2014	1.0					
7	11/04/2014	1.0					
8	02/04/2015	0.2					
9	05/19/2015	0.1					
10	08/11/2015	0.10					
11	11/03/2015	0.10					
12	03/18/2016	0.10					
13	05/05/2016	0.10					
14	08/02/2016	0.10					
15	11/09/2016	0.1					
16	1/25/2017	0.1					
17	05/09/2017	0.1					
18	08/01/2017	0.1					
19	11/07/2017	0.1					
20	02/14/2018	0.1					
21	06/12/2018	0.1					
22	08/21/2018	0.05					
23	11/07/2018	0.05					
24	02/05/2019	0.05					
25	05/08/2019	0.05					
26	08/28/2019	0.05					
27	11/06/2019	0.05					
28	02/03/2020	0.05					
29	02/05/2020	0.05					
30	04/29/2020	0.05					
31	05/28/2020	0.07					
32	07/28/2020	0.05					
33	11/05/2020	0.05					
34	02/03/2021	0.05					
35	05/13/2021	0.05					
36	08/09/2021	0.05					
37	11/10/2021	0.05					
38	02/23/2022	0.05					
39	05/11/2022	0.05					
40	08/25/2022	0.10					

Coefficient of Variation:	1.84
Mann-Kendall Statistic (S):	-481
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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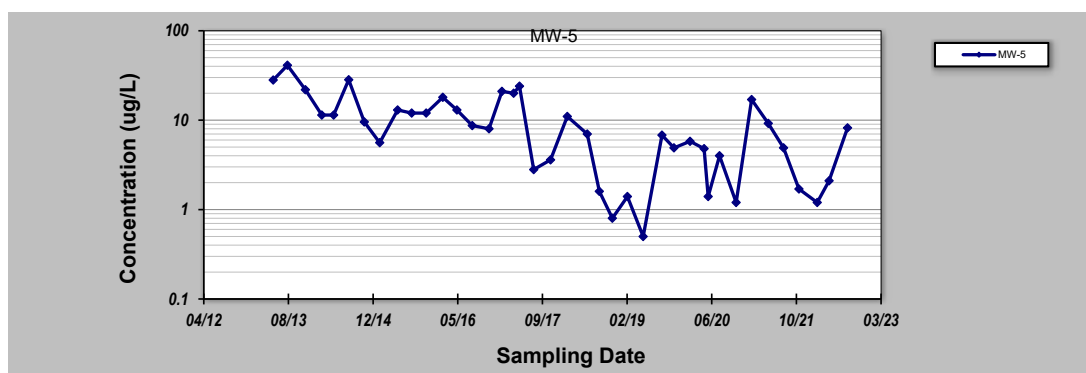
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-5**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	5/16/2013	28.1					
2	8/8/2013	41.1					
3	11/22/2013	21.9					
4	2/27/2014	11.4					
5	5/8/2014	11.4					
6	8/5/2014	28.3					
7	11/5/2014	9.55					
8	2/4/2015	5.6					
9	5/21/2015	13.0					
10	8/12/2015	12.0					
11	11/5/2015	12.0					
12	2/11/2016	18.0					
13	5/5/2016	13.0					
14	8/3/2016	8.7					
15	11/10/2016	8.0					
16	1/26/2017	21.0					
17	4/5/2017	20.0					
18	5/9/2017	24.0					
19	8/1/2017	2.8					
20	11/9/2017	3.6					
21	2/16/2018	11.0					
22	6/14/2018	7.0					
23	8/24/2018	1.6					
24	11/9/2018	0.8					
25	2/6/2019	1.4					
26	5/10/2019	0.5					
27	8/29/2019	6.8					
28	11/8/2019	4.9					
29	2/11/2020	5.8					
30	5/4/2020	4.8					
31	5/28/2020	1.4					
32	8/3/2020	4.0					
33	11/9/2020	1.2					
34	2/8/2021	17.0					
35	5/18/2021	9.2					
36	8/16/2021	4.9					
37	11/15/2021	1.7					
38	3/3/2022	1.2					
39	5/12/2022	2.1					
40	8/29/2022	8.2					

Coefficient of Variation:	0.90
Mann-Kendall Statistic (S):	-365
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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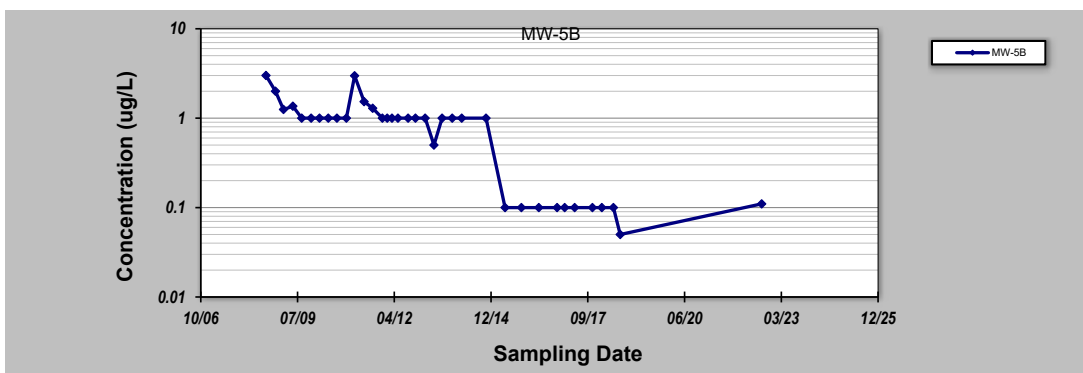
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-5B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	8/14/2008	3.0					
2	11/20/2008	2.0					
3	2/11/2009	1.25					
4	5/19/2009	1.36					
5	8/18/2009	1.0					
6	11/24/2009	1.0					
7	2/18/2010	1.0					
8	5/20/2010	1.0					
9	8/17/2010	1.0					
10	11/23/2010	1.0					
11	2/16/2011	3.0					
12	5/25/2011	1.53					
13	8/22/2011	1.29					
14	11/30/2011	1.0					
15	1/19/2012	1.0					
16	3/8/2012	1.0					
17	5/9/2012	1.0					
18	8/22/2012	1.0					
19	11/6/2012	1.0					
20	2/14/2013	1.0					
21	5/16/2013	0.5					
22	8/8/2013	1.0					
23	11/21/2013	1.0					
24	2/27/2014	1.0					
25	11/5/2014	1.0					
26	5/21/2015	0.1					
27	11/5/2015	0.1					
28	5/4/2016	0.1					
29	11/9/2016	0.1					
30	1/26/2017	0.1					
31	5/9/2017	0.1					
32	11/9/2017	0.1					
33	2/14/2018	0.1					
34	6/14/2018	0.1					
35	8/23/2018	0.05					
36	8/24/2022	0.1					
37							
38							
39							
40							

Coefficient of Variation:	0.81
Mann-Kendall Statistic (S):	-380
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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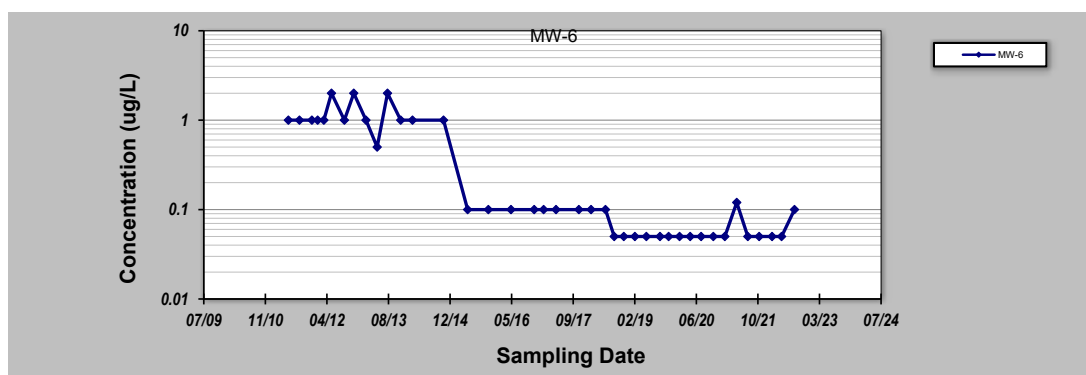
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-6**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	05/24/2011	1.0					
2	08/22/2011	1.0					
3	12/01/2011	1.0					
4	01/17/2012	1.0					
5	03/07/2012	1.0					
6	05/08/2012	2.0					
7	08/21/2012	1.0					
8	11/05/2012	2.0					
9	02/12/2013	1.0					
10	05/14/2013	0.50					
11	08/06/2013	2.0					
12	11/21/2013	1.0					
13	02/25/2014	1.0					
14	11/04/2014	1.0					
15	05/19/2015	0.10					
16	11/03/2015	0.10					
17	05/05/2016	0.10					
18	11/09/2016	0.1					
19	01/25/2017	0.1					
20	05/05/2017	0.1					
21	11/07/2017	0.1					
22	02/14/2018	0.1					
23	06/11/2018	0.1					
24	08/21/2018	0.05					
25	11/07/2018	0.05					
26	02/05/2019	0.05					
27	05/09/2019	0.05					
28	08/28/2019	0.05					
29	11/06/2019	0.05					
30	02/03/2020	0.05					
31	04/29/2020	0.05					
32	07/27/2020	0.05					
33	11/03/2020	0.05					
34	02/04/2021	0.05					
35	05/12/2021	0.12					
36	08/10/2021	0.05					
37	11/10/2021	0.05					
38	02/23/2022	0.05					
39	05/11/2022	0.05					
40	08/24/2022	0.10					

Coefficient of Variation:	1.30
Mann-Kendall Statistic (S):	-468
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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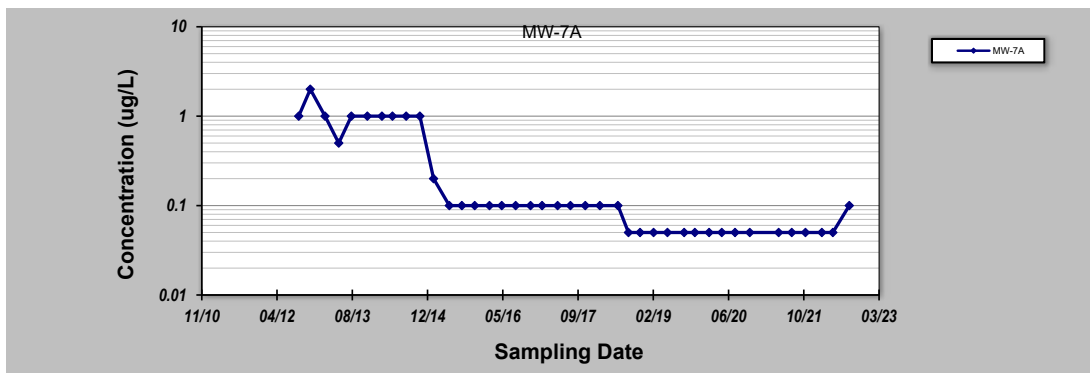
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: P.Reichardt	Concentration Units: ug/L

Sampling Point ID: **MW-7A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/23/2012	1.0					
2	11/08/2012	2.0					
3	02/14/2013	1.0					
4	05/16/2013	0.5					
5	08/08/2013	1.0					
6	11/22/2013	1.0					
7	02/27/2014	1.0					
8	05/08/2014	1.0					
9	08/07/2014	1.0					
10	11/06/2014	1.0					
11	02/05/2015	0.2					
12	05/21/2015	0.1					
13	08/12/2015	0.1					
14	11/05/2015	0.1					
15	02/11/2016	0.1					
16	05/03/2016	0.1					
17	08/03/2016	0.1					
18	11/10/2016	0.1					
19	01/26/2017	0.1					
20	05/09/2017	0.1					
21	08/02/2017	0.1					
22	11/09/2017	0.1					
23	02/14/2018	0.1					
24	06/14/2018	0.1					
25	08/23/2018	0.05					
26	11/08/2018	0.05					
27	02/06/2019	0.05					
28	05/09/2019	0.05					
29	08/28/2019	0.05					
30	11/07/2019	0.05					
31	02/10/2020	0.05					
32	05/04/2020	0.05					
33	07/31/2020	0.05					
34	11/06/2020	0.05					
35	05/17/2021	0.05					
36	08/12/2021	0.05					
37	11/11/2021	0.05					
38	02/28/2022	0.05					
39	05/12/2022	0.05					
40	08/29/2022	0.1					

Coefficient of Variation:	1.44
Mann-Kendall Statistic (S):	-512
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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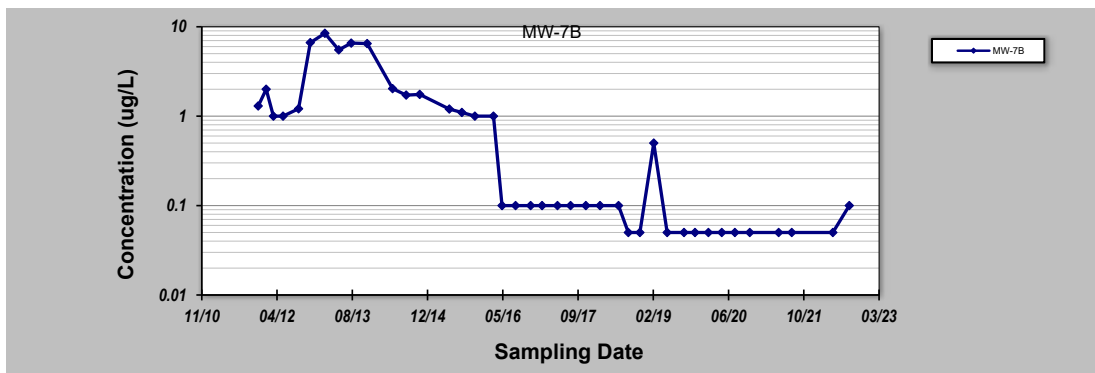
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: P.Reichardt	Concentration Units: ug/L

Sampling Point ID: **MW-7B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/28/2011	1.3					
2	01/20/2012	2.0					
3	03/08/2012	1.0					
4	05/11/2012	1.0					
5	08/22/2012	1.21					
6	11/08/2012	6.64					
7	02/13/2013	8.44					
8	05/16/2013	5.51					
9	08/07/2013	6.56					
10	11/21/2013	6.48					
11	05/09/2014	2.03					
12	08/07/2014	1.72					
13	11/05/2014	1.75					
14	05/21/2015	1.2					
15	08/12/2015	1.1					
16	11/06/2015	1.0					
17	03/09/2016	1.0					
18	05/05/2016	0.1					
19	08/03/2016	0.1					
20	11/11/2016	0.1					
21	01/26/2017	0.1					
22	05/08/2017	0.1					
23	08/03/2017	0.1					
24	11/13/2017	0.1					
25	02/15/2018	0.10					
26	06/18/2018	0.10					
27	08/22/2018	0.05					
28	11/07/2018	0.05					
29	02/07/2019	0.50					
30	05/07/2019	0.05					
31	08/27/2019	0.05					
32	11/08/2019	0.05					
33	02/05/2020	0.05					
34	05/04/2020	0.05					
35	07/30/2020	0.05					
36	11/06/2020	0.05					
37	05/17/2021	0.05					
38	08/12/2021	0.05					
39	05/12/2022	0.05					
40	08/29/2022	0.1					

Coefficient of Variation:	1.68
Mann-Kendall Statistic (S):	-519
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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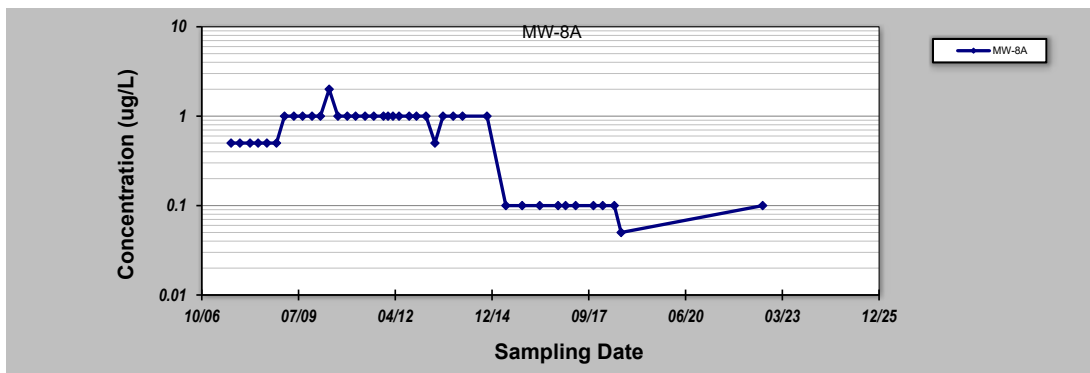
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-8A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	8/9/2007	0.5					
2	11/8/2007	0.5					
3	2/21/2008	0.5					
4	5/14/2008	0.5					
5	8/13/2008	0.5					
6	11/20/2008	0.5					
7	2/11/2009	1					
8	5/19/2009	1					
9	8/17/2009	1					
10	11/23/2009	1					
11	2/17/2010	1					
12	5/19/2010	2					
13	8/17/2010	1					
14	11/22/2010	1					
15	2/16/2011	1					
16	5/25/2011	1					
17	8/23/2011	1					
18	12/1/2011	1					
19	1/17/2012	1					
20	3/8/2012	1					
21	5/10/2012	1					
22	8/23/2012	1					
23	11/6/2012	1					
24	2/12/2013	1					
25	5/16/2013	0.5					
26	8/7/2013	1					
27	11/21/2013	1					
28	2/25/2014	1					
29	11/5/2014	1					
30	5/19/2015	0.1					
31	11/3/2015	0.1					
32	5/3/2016	0.1					
33	11/9/2016	0.1					
34	1/25/2017	0.1					
35	5/9/2017	0.1					
36	11/9/2017	0.1					
37	2/13/2018	0.1					
38	6/13/2018	0.1					
39	8/22/2018	0.05					
40	8/24/2022	0.1					

Coefficient of Variation:	0.63
Mann-Kendall Statistic (S):	-192
Confidence Factor:	99.0%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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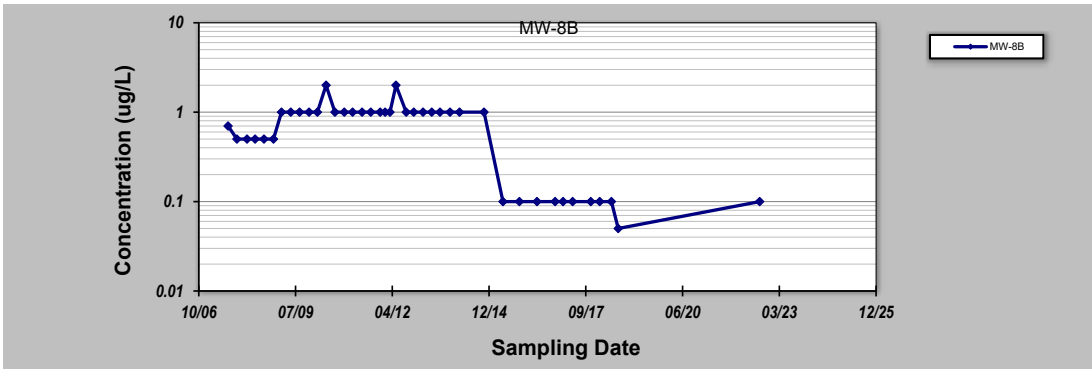
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-8B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	8/9/2007	0.7					
2	11/8/2007	0.5					
3	2/21/2008	0.5					
4	5/14/2008	0.5					
5	8/14/2008	0.5					
6	11/20/2008	0.5					
7	2/11/2009	1					
8	5/18/2009	1					
9	8/17/2009	1					
10	11/23/2009	1					
11	2/17/2010	1					
12	5/18/2010	2					
13	8/17/2010	1					
14	11/22/2010	1					
15	2/16/2011	1					
16	5/25/2011	1					
17	8/23/2011	1					
18	11/28/2011	1					
19	1/18/2012	1					
20	3/8/2012	1					
21	5/9/2012	2					
22	8/23/2012	1					
23	11/9/2012	1					
24	2/13/2013	1					
25	5/14/2013	1					
26	8/7/2013	1					
27	11/19/2013	1					
28	2/25/2014	1					
29	11/5/2014	1					
30	5/20/2015	0.1					
31	11/5/2015	0.1					
32	5/6/2016	0.1					
33	11/9/2016	0.1					
34	1/30/2017	0.1					
35	5/9/2017	0.1					
36	11/13/2017	0.1					
37	2/13/2018	0.1					
38	6/14/2018	0.1					
39	8/23/2018	0.05					
40	8/24/2022	0.1					

Coefficient of Variation:	0.65
Mann-Kendall Statistic (S):	-172
Confidence Factor:	98.1%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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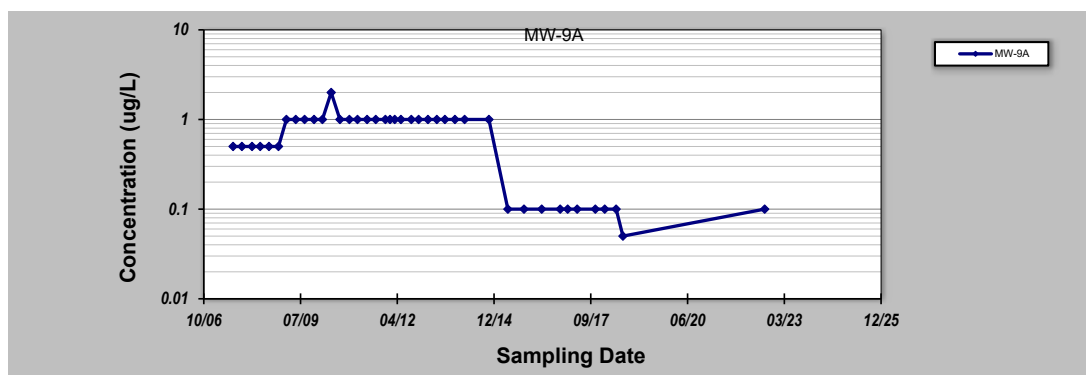
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-9A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	8/9/2007	0.5					
2	11/8/2007	0.5					
3	2/21/2008	0.5					
4	5/15/2008	0.5					
5	8/14/2008	0.5					
6	11/20/2008	0.5					
7	2/10/2009	1					
8	5/18/2009	1					
9	8/17/2009	1					
10	11/23/2009	1					
11	2/17/2010	1					
12	5/19/2010	2					
13	8/17/2010	1					
14	11/23/2010	1					
15	2/15/2011	1					
16	5/25/2011	1					
17	8/23/2011	1					
18	11/30/2011	1					
19	1/17/2012	1					
20	3/6/2012	1					
21	5/9/2012	1					
22	8/24/2012	1					
23	11/8/2012	1					
24	2/12/2013	1					
25	5/15/2013	1					
26	8/6/2013	1					
27	11/18/2013	1					
28	2/26/2014	1					
29	11/4/2014	1					
30	5/19/2015	0.1					
31	11/2/2015	0.1					
32	5/3/2016	0.1					
33	11/10/2016	0.1					
34	1/26/2017	0.1					
35	5/4/2017	0.1					
36	11/8/2017	0.1					
37	2/13/2018	0.1					
38	6/11/2018	0.1					
39	8/20/2018	0.05					
40	8/24/2022	0.1					

Coefficient of Variation:	0.62
Mann-Kendall Statistic (S):	-173
Confidence Factor:	98.2%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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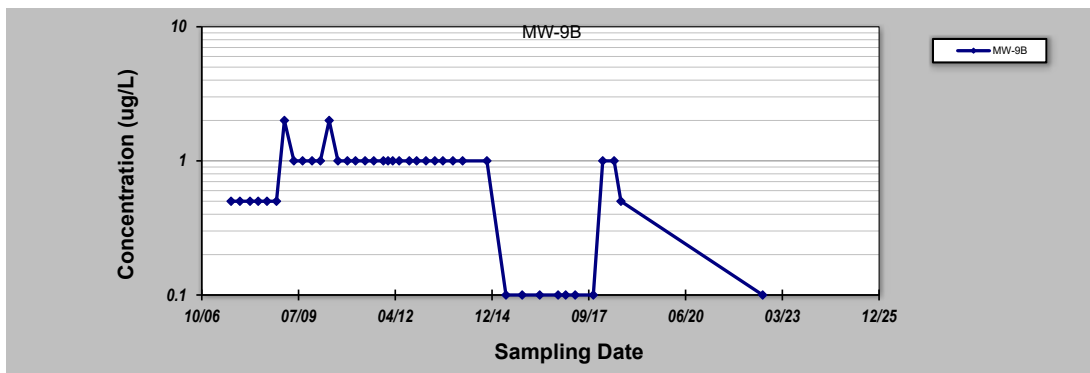
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-9B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	8/9/2007	0.5					
2	11/8/2007	0.5					
3	2/21/2008	0.5					
4	5/15/2008	0.5					
5	8/14/2008	0.5					
6	11/20/2008	0.5					
7	2/10/2009	2					
8	5/19/2009	1					
9	8/17/2009	1					
10	11/23/2009	1					
11	2/17/2010	1					
12	5/19/2010	2					
13	8/17/2010	1					
14	11/23/2010	1					
15	2/15/2011	1					
16	5/25/2011	1					
17	8/23/2011	1					
18	11/30/2011	1					
19	1/17/2012	1					
20	3/6/2012	1					
21	5/11/2012	1					
22	8/24/2012	1					
23	11/8/2012	1					
24	2/12/2013	1					
25	5/15/2013	1					
26	8/6/2013	1					
27	11/18/2013	1					
28	2/26/2014	1					
29	11/4/2014	1					
30	5/20/2015	0.1					
31	11/3/2015	0.1					
32	5/3/2016	0.1					
33	11/9/2016	0.1					
34	1/26/2017	0.1					
35	5/4/2017	0.1					
36	11/8/2017	0.1					
37	2/13/2018	1					
38	6/11/2018	1					
39	8/20/2018	0.5					
40	8/24/2022	0.1					

Coefficient of Variation:	0.57
Mann-Kendall Statistic (S):	-95
Confidence Factor:	87.1%
Concentration Trend:	Stable



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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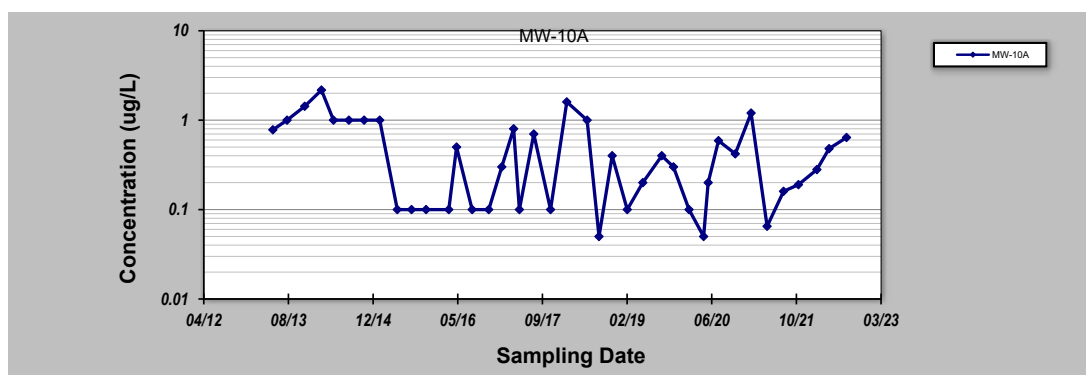
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-10A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	05/14/2013	0.78					
2	08/06/2013	1.0					
3	11/18/2013	1.43					
4	02/25/2014	2.17					
5	05/07/2014	1.0					
6	08/06/2014	1.0					
7	11/04/2014	1.0					
8	02/04/2015	1.0					
9	05/19/2015	0.10					
10	08/11/2015	0.1					
11	11/05/2015	0.1					
12	03/18/2016	0.1					
13	05/03/2016	0.5					
14	08/03/2016	0.1					
15	11/09/2016	0.1					
16	01/25/2017	0.3					
17	04/05/2017	0.8					
18	05/09/2017	0.1					
19	08/02/2017	0.7					
20	11/09/2017	0.1					
21	02/13/2018	1.6					
22	06/13/2018	1.0					
23	08/22/2018	0.05					
24	11/08/2018	0.4					
25	02/05/2019	0.1					
26	05/08/2019	0.2					
27	08/28/2019	0.4					
28	11/05/2019	0.3					
29	02/05/2020	0.1					
30	05/01/2020	0.05					
31	05/28/2020	0.2					
32	07/28/2020	0.6					
33	11/04/2020	0.4					
34	02/05/2021	1.2					
35	05/11/2021	0.065					
36	08/16/2021	0.16					
37	11/12/2021	0.19					
38	03/01/2022	0.28					
39	05/12/2022	0.48					
40	08/23/2022	0.64					

Coefficient of Variation:	0.96
Mann-Kendall Statistic (S):	-138
Confidence Factor:	94.5%
Concentration Trend:	Prob. Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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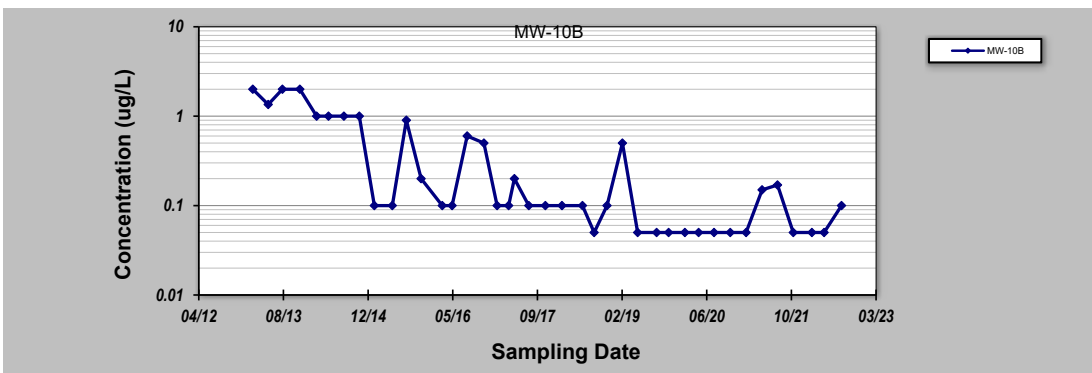
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-10B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	02/14/2013	2.0					
2	5/16/2013	1.35					
3	08/08/2013	2.0					
4	11/19/2013	2.0					
5	02/26/2014	1.0					
6	05/07/2014	1.0					
7	08/06/2014	1.0					
8	11/05/2014	1.0					
9	02/02/2015	0.1					
10	05/19/2015	0.1					
11	08/10/2015	0.90					
12	11/05/2015	0.20					
13	03/09/2016	0.10					
14	05/06/2016	0.10					
15	08/03/2016	0.60					
16	11/10/2016	0.5					
17	1/27/2017	0.1					
18	04/05/2017	0.1					
19	05/09/2017	0.2					
20	08/02/2017	0.1					
21	11/08/2017	0.1					
22	02/14/2018	0.1					
23	06/15/2018	0.1					
24	08/23/2018	0.05					
25	11/07/2018	0.1					
26	02/06/2019	0.50					
27	05/07/2019	0.05					
28	08/27/2019	0.05					
29	11/06/2019	0.05					
30	02/10/2020	0.05					
31	05/01/2020	0.05					
32	07/31/2020	0.05					
33	11/04/2020	0.05					
34	02/05/2021	0.05					
35	05/11/2021	0.15					
36	08/10/2021	0.17					
37	11/11/2021	0.05					
38	03/01/2022	0.05					
39	05/12/2022	0.05					
40	08/23/2022	0.10					

Coefficient of Variation:	1.41
Mann-Kendall Statistic (S):	-457
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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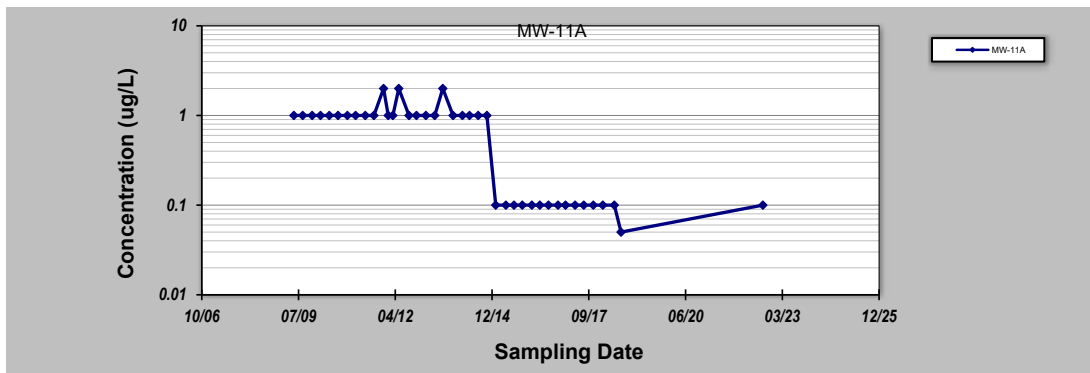
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-11A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	05/19/2009	1					
2	8/18/2009	1					
3	11/24/2009	1					
4	02/18/2010	1					
5	05/20/2010	1					
6	08/18/2010	1					
7	11/23/2010	1					
8	02/16/2011	1					
9	05/27/2011	1					
10	08/24/2011	1					
11	12/02/2011	2					
12	01/19/2012	1					
13	03/07/2012	1					
14	05/07/2012	2					
15	08/21/2012	1					
16	11/06/2012	1					
17	02/11/2013	1					
18	5/14/2013	1					
19	08/05/2013	2					
20	11/19/2013	1					
21	02/24/2014	1					
22	05/08/2014	1					
23	08/06/2014	1					
24	11/04/2014	1					
25	02/03/2015	0.1					
26	05/19/2015	0.1					
27	08/11/2015	0.1					
28	11/04/2015	0.1					
29	02/11/2016	0.1					
30	05/04/2016	0.1					
31	08/01/2016	0.1					
32	11/08/2016	0.1					
33	01/24/2017	0.1					
34	05/03/2017	0.1					
35	08/01/2017	0.1					
36	11/08/2017	0.1					
37	02/14/2018	0.1					
38	06/13/2018	0.1					
39	08/21/2018	0.05					
40	08/26/2022	0.1					

Coefficient of Variation:	0.80
Mann-Kendall Statistic (S):	-384
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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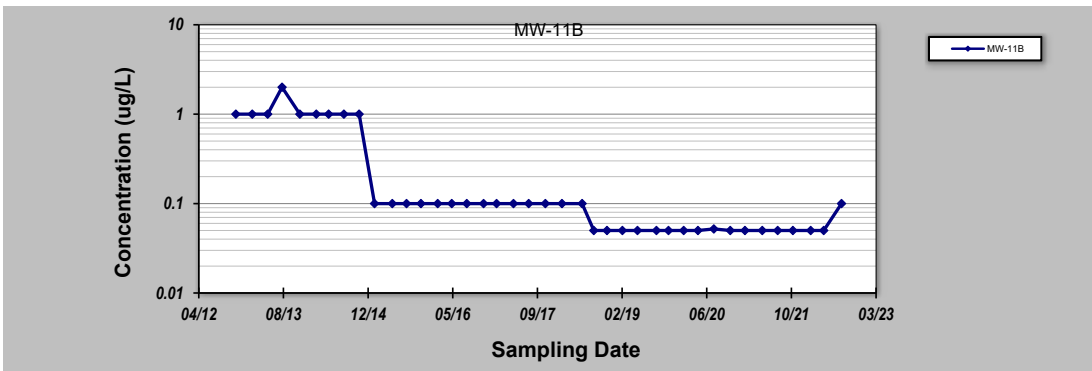
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-11B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/06/2012	1.0					
2	2/11/2013	1.0					
3	05/13/2013	1.0					
4	08/06/2013	2.0					
5	11/19/2013	1.0					
6	02/24/2014	1.0					
7	05/08/2014	1.0					
8	08/06/2014	1.0					
9	11/04/2014	1.0					
10	02/03/2015	0.1					
11	05/19/2015	0.1					
12	08/11/2015	0.1					
13	11/04/2015	0.1					
14	02/11/2016	0.1					
15	05/04/2016	0.1					
16	08/01/2016	0.1					
17	11/08/2016	0.1					
18	1/24/2017	0.1					
19	05/03/2017	0.1					
20	08/01/2017	0.1					
21	11/08/2017	0.1					
22	02/14/2018	0.1					
23	06/13/2018	0.1					
24	08/21/2018	0.05					
25	11/07/2018	0.05					
26	02/06/2019	0.05					
27	05/06/2019	0.05					
28	08/26/2019	0.05					
29	11/05/2019	0.05					
30	02/03/2020	0.05					
31	04/27/2020	0.05					
32	07/30/2020	0.052					
33	11/04/2020	0.05					
34	01/29/2021	0.05					
35	05/12/2021	0.05					
36	08/11/2021	0.05					
37	11/09/2021	0.05					
38	02/22/2022	0.05					
39	05/10/2022	0.05					
40	08/23/2022	0.10					

Coefficient of Variation:	1.51
Mann-Kendall Statistic (S):	-488
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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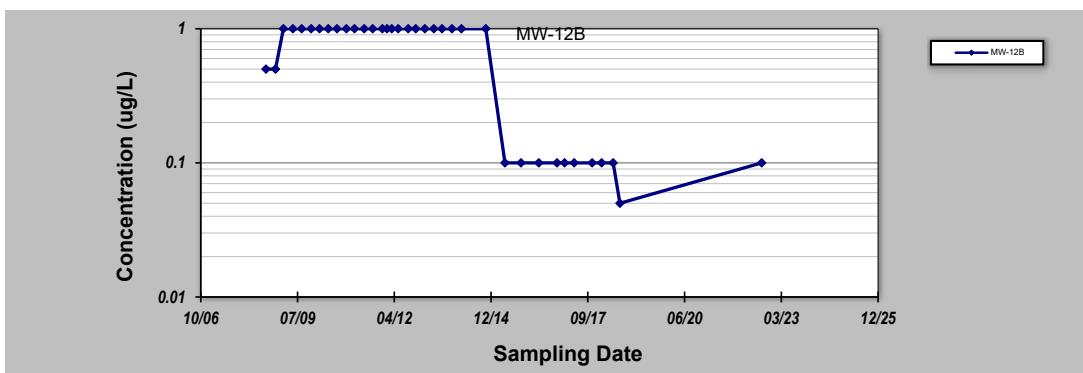
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-12B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/14/2008	0.5					
2	11/20/2008	0.5					
3	02/10/2009	1					
4	05/19/2009	1					
5	08/18/2009	1					
6	11/24/2009	1					
7	02/18/2010	1					
8	05/20/2010	1					
9	08/18/2010	1					
10	11/23/2010	1					
11	02/15/2011	1					
12	05/26/2011	1					
13	08/22/2011	1					
14	11/30/2011	1					
15	01/17/2012	1					
16	03/06/2012	1					
17	05/11/2012	1					
18	8/23/2012	1					
19	11/09/2012	1					
20	02/11/2013	1					
21	05/15/2013	1					
22	08/07/2013	1					
23	11/18/2013	1					
24	02/24/2014	1					
25	11/03/2014	1					
26	05/20/2015	0.1					
27	11/02/2015	0.1					
28	05/04/2016	0.1					
29	11/08/2016	0.1					
30	01/25/2017	0.1					
31	05/04/2017	0.1					
32	11/06/2017	0.1					
33	02/12/2018	0.1					
34	06/11/2018	0.1					
35	08/20/2018	0.05					
36	08/24/2022	0.1					
37							
38							
39							
40							

Coefficient of Variation:	0.60
Mann-Kendall Statistic (S):	-237
Confidence Factor:	100.0%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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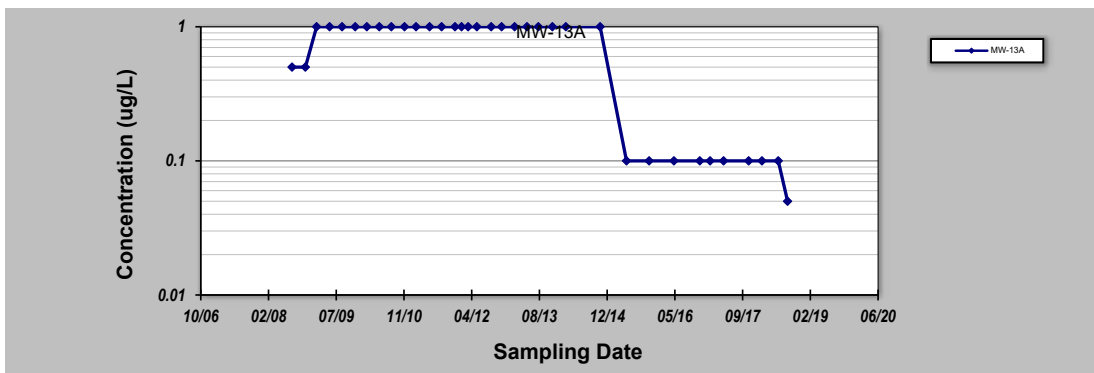
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-13A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/14/2008	0.5					
2	11/20/2008	0.5					
3	02/11/2009	1					
4	05/18/2009	1					
5	08/18/2009	1					
6	11/23/2009	1					
7	02/17/2010	1					
8	05/20/2010	1					
9	08/17/2010	1					
10	11/22/2010	1					
11	02/15/2011	1					
12	05/26/2011	1					
13	08/23/2011	1					
14	11/30/2011	1					
15	01/17/2012	1					
16	03/06/2012	1					
17	05/09/2012	1					
18	8/23/2012	1					
19	11/08/2012	1					
20	02/12/2013	1					
21	05/14/2013	1					
22	08/06/2013	1					
23	11/18/2013	1					
24	02/25/2014	1					
25	11/05/2014	1					
26	05/19/2015	0.1					
27	11/02/2015	0.1					
28	05/03/2016	0.1					
29	11/10/2016	0.1					
30	01/25/2017	0.1					
31	05/04/2017	0.1					
32	11/06/2017	0.1					
33	02/12/2018	0.1					
34	06/12/2018	0.1					
35	08/20/2018	0.05					
36							
37							
38							
39							
40							

Coefficient of Variation:	0.58
Mann-Kendall Statistic (S):	-213
Confidence Factor:	99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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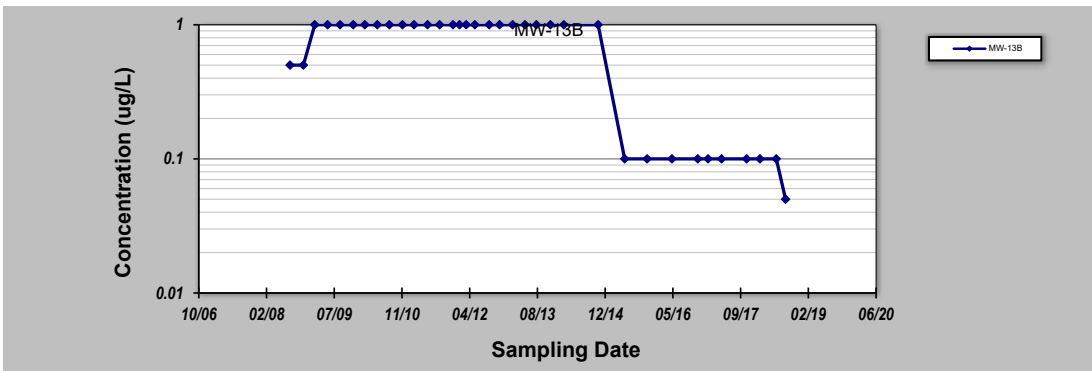
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-13B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/14/2008	0.5					
2	11/20/2008	0.5					
3	02/12/2009	1					
4	05/18/2009	1					
5	08/18/2009	1					
6	11/23/2009	1					
7	02/17/2010	1					
8	05/20/2010	1					
9	08/17/2010	1					
10	11/22/2010	1					
11	02/15/2011	1					
12	05/26/2011	1					
13	08/23/2011	1					
14	11/30/2011	1					
15	01/17/2012	1					
16	03/06/2012	1					
17	05/09/2012	1					
18	8/23/2012	1					
19	11/08/2012	1					
20	02/12/2013	1					
21	05/14/2013	1					
22	08/06/2013	1					
23	11/18/2013	1					
24	02/25/2014	1					
25	11/05/2014	1					
26	05/20/2015	0.1					
27	11/02/2015	0.1					
28	05/03/2016	0.1					
29	11/10/2016	0.1					
30	01/25/2017	0.1					
31	05/04/2017	0.1					
32	11/06/2017	0.1					
33	02/12/2018	0.1					
34	06/12/2018	0.1					
35	08/20/2018	0.05					
36							
37							
38							
39							
40							

Coefficient of Variation:	0.58
Mann-Kendall Statistic (S):	-213
Confidence Factor:	99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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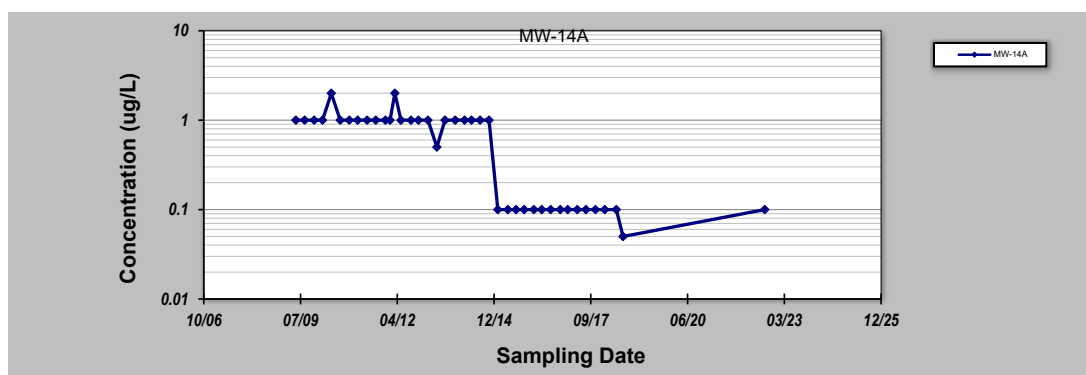
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-14A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	05/19/2009	1					
2	8/18/2009	1					
3	11/24/2009	1					
4	02/18/2010	1					
5	05/20/2010	2					
6	08/20/2010	1					
7	11/22/2010	1					
8	02/17/2011	1					
9	05/25/2011	1					
10	08/23/2011	1					
11	11/30/2011	1					
12	01/17/2012	1					
13	03/07/2012	2					
14	05/09/2012	1					
15	08/21/2012	1					
16	11/06/2012	1					
17	02/12/2013	1					
18	5/15/2013	0.5					
19	08/07/2013	1					
20	11/21/2013	1					
21	02/25/2014	1					
22	05/08/2014	1					
23	08/05/2014	1					
24	11/05/2014	1					
25	02/04/2015	0.1					
26	05/19/2015	0.1					
27	08/12/2015	0.1					
28	11/03/2015	0.1					
29	02/11/2016	0.1					
30	05/03/2016	0.1					
31	08/03/2016	0.1					
32	11/10/2016	0.1					
33	01/26/2017	0.1					
34	05/05/2017	0.1					
35	08/02/2017	0.1					
36	11/09/2017	0.1					
37	02/13/2018	0.1					
38	06/13/2018	0.1					
39	08/21/2018	0.05					
40	08/25/2022	0.1					

Coefficient of Variation:	0.79
Mann-Kendall Statistic (S):	-420
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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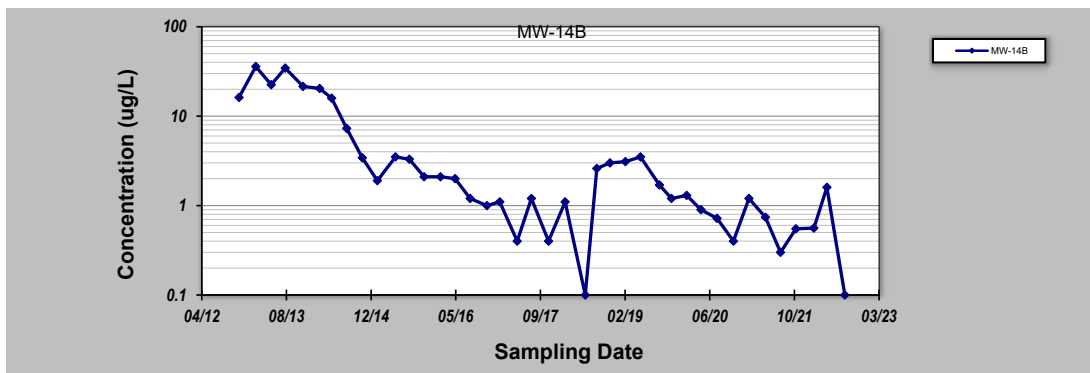
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-14B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/07/2012	16.2					
2	2/14/2013	35.9					
3	05/16/2013	22.5					
4	08/07/2013	34.5					
5	11/20/2013	21.5					
6	02/26/2014	20.4					
7	05/08/2014	15.9					
8	08/05/2014	7.3					
9	11/05/2014	3.42					
10	02/02/2015	1.9					
11	05/20/2015	3.5					
12	08/10/2015	3.3					
13	11/05/2015	2.1					
14	02/10/2016	2.1					
15	05/06/2016	2.0					
16	08/03/2016	1.2					
17	11/10/2016	1.0					
18	1/25/2017	1.1					
19	05/08/2017	0.4					
20	07/31/2017	1.2					
21	11/09/2017	0.4					
22	02/15/2018	1.1					
23	06/14/2018	0.1					
24	08/21/2018	2.6					
25	11/07/2018	3.0					
26	02/06/2019	3.1					
27	05/06/2019	3.5					
28	08/26/2019	1.7					
29	11/05/2019	1.2					
30	02/03/2020	1.3					
31	04/27/2020	0.90					
32	07/31/2020	0.72					
33	11/05/2020	0.40					
34	02/04/2021	1.2					
35	05/13/2021	0.74					
36	08/10/2021	0.30					
37	11/09/2021	0.55					
38	02/23/2022	0.56					
39	05/11/2022	1.6					
40	08/25/2022	0.10					

Coefficient of Variation:	1.65
Mann-Kendall Statistic (S):	-469
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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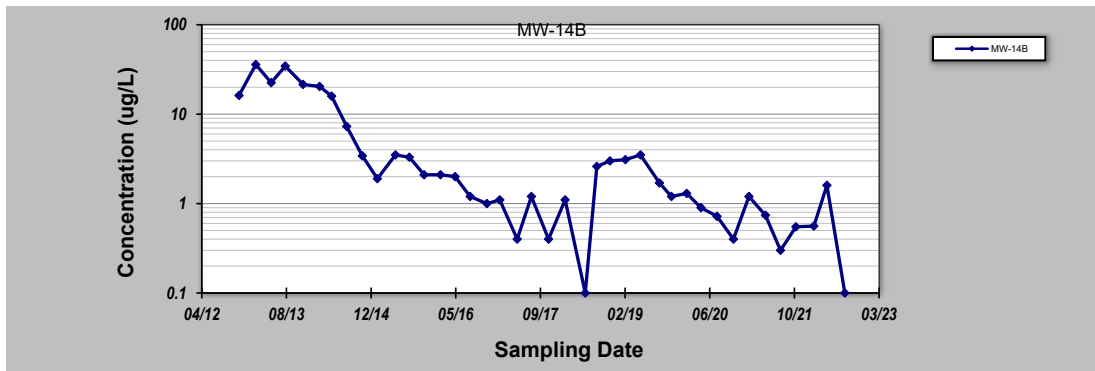
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-14B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/07/2012	16.2					
2	2/14/2013	35.9					
3	05/16/2013	22.5					
4	08/07/2013	34.5					
5	11/20/2013	21.5					
6	02/26/2014	20.4					
7	05/08/2014	15.9					
8	08/05/2014	7.3					
9	11/05/2014	3.42					
10	02/02/2015	1.9					
11	05/20/2015	3.5					
12	08/10/2015	3.3					
13	11/05/2015	2.1					
14	02/10/2016	2.1					
15	05/06/2016	2.0					
16	08/03/2016	1.2					
17	11/10/2016	1.0					
18	1/25/2017	1.1					
19	05/08/2017	0.4					
20	07/31/2017	1.2					
21	11/09/2017	0.4					
22	02/15/2018	1.1					
23	06/14/2018	0.1					
24	08/21/2018	2.6					
25	11/07/2018	3.0					
26	02/06/2019	3.1					
27	05/06/2019	3.5					
28	08/26/2019	1.7					
29	11/05/2019	1.2					
30	02/03/2020	1.3					
31	04/27/2020	0.90					
32	07/31/2020	0.72					
33	11/05/2020	0.40					
34	02/04/2021	1.2					
35	05/13/2021	0.74					
36	08/10/2021	0.30					
37	11/09/2021	0.55					
38	02/23/2022	0.56					
39	05/11/2022	1.6					
40	08/25/2022	0.10					

Coefficient of Variation:	1.65
Mann-Kendall Statistic (S):	-469
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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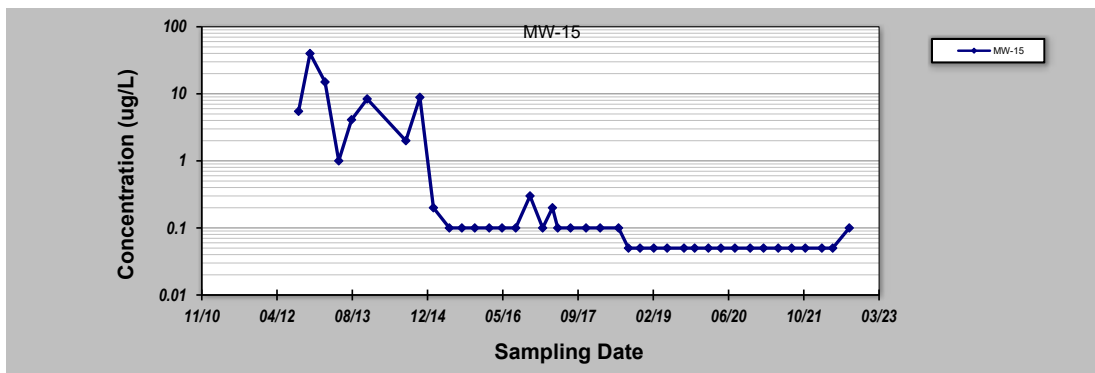
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-15**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/22/2012	5.48					
2	11/6/2012	39.9					
3	02/14/2013	15					
4	05/16/2013	1.0					
5	08/09/2013	4.1					
6	11/21/2013	8.38					
7	08/05/2014	2.0					
8	11/06/2014	8.86					
9	02/04/2015	0.2					
10	05/21/2015	0.1					
11	08/12/2015	0.1					
12	11/06/2015	0.1					
13	02/10/2016	0.1					
14	05/05/2016	0.1					
15	08/04/2016	0.1					
16	11/07/2016	0.3					
17	1/30/2017	0.1					
18	04/05/2017	0.2					
19	05/10/2017	0.1					
20	08/03/2017	0.1					
21	11/14/2017	0.1					
22	02/16/2018	0.1					
23	06/18/2018	0.1					
24	08/23/2018	0.05					
25	11/08/2018	0.05					
26	02/07/2019	0.05					
27	05/07/2019	0.05					
28	08/27/2019	0.05					
29	11/06/2019	0.05					
30	02/05/2020	0.05					
31	04/28/2020	0.05					
32	07/30/2020	0.05					
33	11/09/2020	0.05					
34	02/05/2021	0.05					
35	05/14/2021	0.05					
36	08/11/2021	0.05					
37	11/10/2021	0.05					
38	02/28/2022	0.05					
39	05/11/2022	0.05					
40	08/29/2022	0.10					

Coefficient of Variation:	3.13
Mann-Kendall Statistic (S):	-497
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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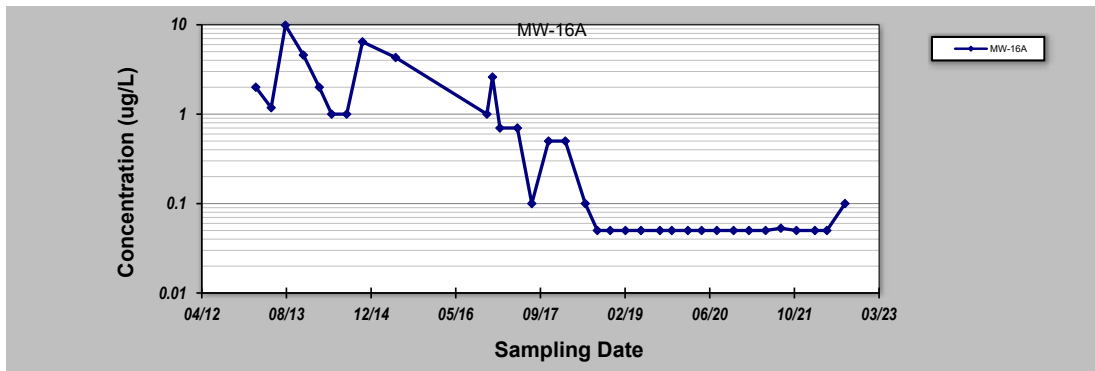
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-16A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	02/14/2013	2.0					
2	5/16/2013	1.18					
3	08/08/2013	9.86					
4	11/22/2013	4.58					
5	02/24/2014	2.0					
6	05/08/2014	1.0					
7	08/05/2014	1.0					
8	11/06/2014	6.44					
9	02/05/2015	1.8					
10	05/21/2015	4.3					
11	08/12/2015	2.0					
12	11/05/2015	1.1					
13	02/11/2016	1.0					
14	05/04/2016	0.1					
15	08/03/2016	0.2					
16	11/10/2016	1.0					
17	12/13/2016	2.6					
18	01/26/2017	0.7					
19	05/09/2017	0.7					
20	08/02/2017	0.1					
21	11/09/2017	0.5					
22	02/16/2018	0.5					
23	06/14/2018	0.1					
24	08/24/2018	0.05					
25	11/08/2018	0.05					
26	02/06/2019	0.05					
27	05/09/2019	0.05					
28	08/29/2019	0.05					
29	11/07/2019	0.05					
30	02/10/2020	0.05					
31	05/01/2020	0.05					
32	07/30/2020	0.05					
33	11/06/2020	0.05					
34	02/04/2021	0.05					
35	05/14/2021	0.05					
36	08/12/2021	0.053					
37	11/12/2021	0.05					
38	03/01/2022	0.05					
39	05/11/2022	0.05					
40	08/26/2022	0.10					

Coefficient of Variation:	1.86
Mann-Kendall Statistic (S):	-452
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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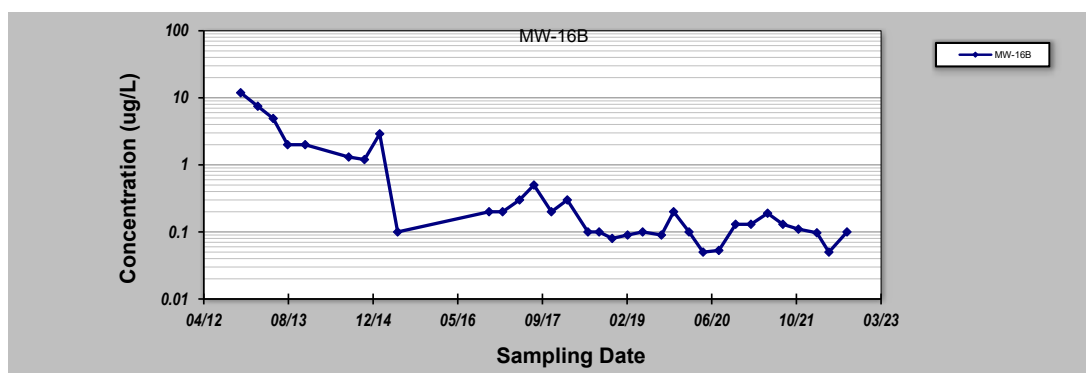
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-16B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/5/2012	11.9					
2	2/14/2013	7.48					
3	5/16/2013	4.92					
4	8/9/2013	2.0					
5	11/21/2013	2.0					
6	2/27/2014	2.0					
7	5/9/2014	1.0					
8	8/5/2014	1.31					
9	11/6/2014	1.2					
10	2/4/2015	2.9					
11	5/21/2015	0.1					
12	8/12/2015	0.2					
13	11/6/2015	0.1					
14	2/12/2016	0.1					
15	5/5/2016	0.1					
16	8/4/2016	0.1					
17	11/11/2016	0.2					
18	1/30/2017	0.2					
19	5/10/2017	0.3					
20	8/3/2017	0.5					
21	11/14/2017	0.2					
22	2/16/2018	0.3					
23	6/18/2018	0.1					
24	8/23/2018	0.1					
25	11/8/2018	0.08					
26	2/7/2019	0.09					
27	5/7/2019	0.10					
28	8/26/2019	0.09					
29	11/6/2019	0.20					
30	2/5/2020	0.10					
31	4/28/2020	0.05					
32	7/30/2020	0.053					
33	11/6/2020	0.13					
34	2/4/2021	0.13					
35	5/14/2021	0.19					
36	8/12/2021	0.13					
37	11/12/2021	0.11					
38	3/1/2022	0.097					
39	5/11/2022	0.050					
40	8/26/2022	0.10					

Coefficient of Variation:	2.20
Mann-Kendall Statistic (S):	-442
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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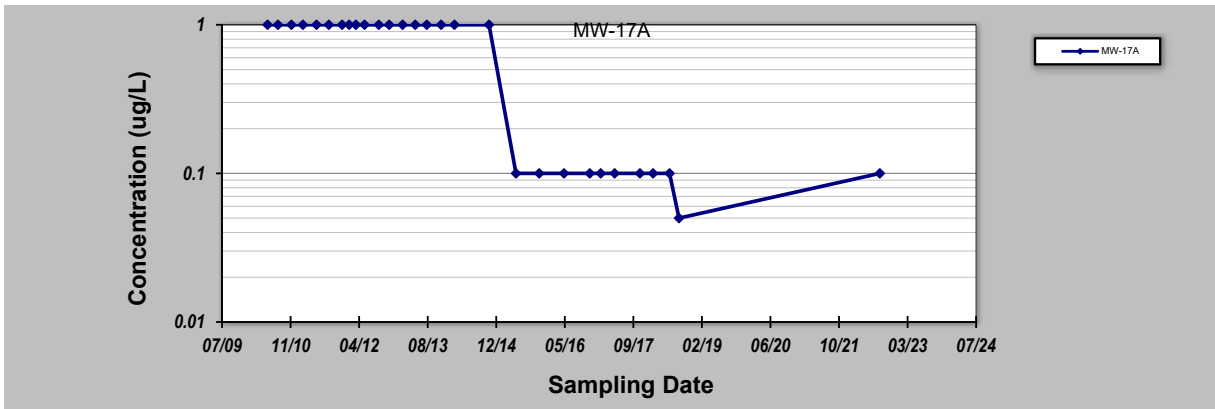
for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-17A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)						
1	06/03/2010	1						
2	8/18/2010	1						
3	11/24/2010	1						
4	02/16/2011	1						
5	05/26/2011	1						
6	08/24/2011	1						
7	11/29/2011	1						
8	01/19/2012	1						
9	03/08/2012	1						
10	05/10/2012	1						
11	08/22/2012	1						
12	11/06/2012	1						
13	02/12/2013	1						
14	05/15/2013	1						
15	08/07/2013	1						
16	11/20/2013	1						
17	02/25/2014	1						
18	11/4/2014	1						
19	05/20/2015	0.1						
20	11/05/2015	0.1						
21	05/04/2016	0.1						
22	11/08/2016	0.1						
23	01/27/2017	0.1						
24	05/08/2017	0.1						
25	11/09/2017	0.1						
26	02/13/2018	0.1						
27	06/13/2018	0.1						
28	08/21/2018	0.05						
29	08/25/2022	0.1						
30								

Coefficient of Variation:	0.68
Mann-Kendall Statistic (S):	-206
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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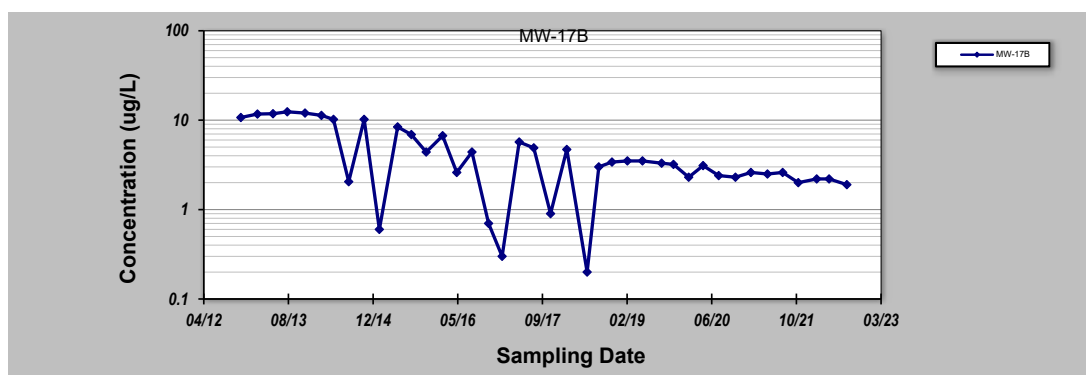
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-17B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/6/2012	10.7					
2	2/12/2013	11.7					
3	05/15/2013	11.8					
4	08/07/2013	12.4					
5	11/20/2013	12.0					
6	02/25/2014	11.3					
7	05/07/2014	10.2					
8	08/05/2014	2.05					
9	11/04/2014	10.2					
10	02/02/2015	0.6					
11	05/21/2015	8.4					
12	08/10/2015	6.9					
13	11/05/2015	4.4					
14	02/10/2016	6.7					
15	05/04/2016	2.6					
16	08/02/2016	4.4					
17	11/8/2016	0.7					
18	1/27/2017	0.3					
19	5/8/2017	5.7					
20	8/2/2017	4.9					
21	11/9/2017	0.9					
22	2/13/2018	4.7					
23	6/13/2018	0.2					
24	8/21/2018	3.0					
25	11/7/2018	3.4					
26	2/6/2019	3.5					
27	5/6/2019	3.5					
28	8/27/2019	3.3					
29	11/5/2019	3.2					
30	2/3/2020	2.3					
31	4/28/2020	3.1					
32	7/29/2020	2.4					
33	11/5/2020	2.3					
34	2/4/2021	2.6					
35	5/13/2021	2.5					
36	8/11/2021	2.6					
37	11/11/2021	2.0					
38	2/28/2022	2.2					
39	5/12/2022	2.2					
40	08/25/2022	1.9					

Coefficient of Variation:	0.79
Mann-Kendall Statistic (S):	-412
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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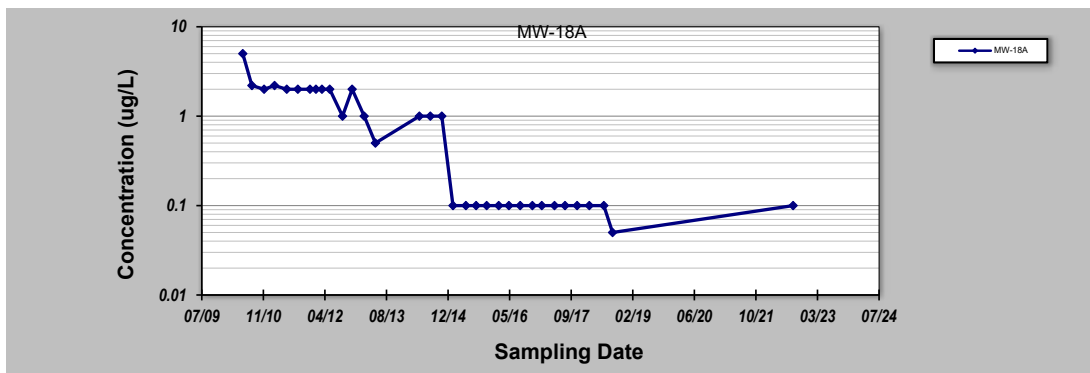
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 14-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: P.Reichardt	Concentration Units: ug/L

Sampling Point ID: **MW-18A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	6/4/2010	5.0					
2	08/17/2010	2.2					
3	11/24/2010	2.0					
4	02/17/2011	2.2					
5	05/27/2011	2.0					
6	08/25/2011	2.0					
7	12/02/2011	2.0					
8	01/19/2012	2.0					
9	03/08/2012	2.0					
10	05/10/2012	2.0					
11	08/22/2012	1.0					
12	11/08/2012	2.0					
13	02/14/2013	1.0					
14	05/16/2013	0.5					
15	08/08/2013	1.0					
16	11/22/2013	1.0					
17	02/24/2014	1.0					
18	5/8/2014	1.0					
19	8/5/2014	1.0					
20	11/6/2014	1.0					
21	2/5/2015	0.1					
22	5/21/2015	0.1					
23	8/12/2015	0.1					
24	11/5/2015	0.1					
25	2/11/2016	0.1					
26	5/4/2016	0.1					
27	8/3/2016	0.1					
28	11/10/2016	0.1					
29	1/26/2017	0.1					
30	5/9/2017	0.1					
31	8/2/2017	0.1					
32	11/9/2017	0.1					
33	2/16/2018	0.10					
34	6/14/2018	0.10					
35	8/24/2018	0.05					
36	8/29/2022	0.10					
37							
38							
39							
40							

Coefficient of Variation:	1.02
Mann-Kendall Statistic (S):	-358
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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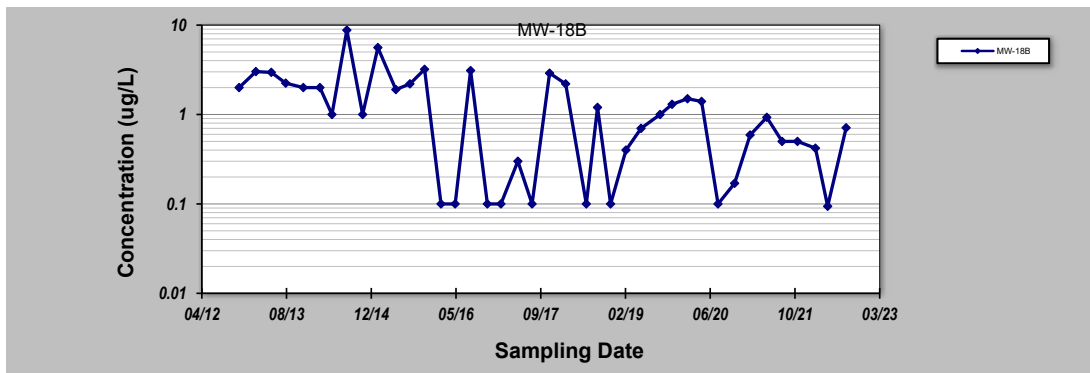
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-18B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/07/2012	2.0					
2	02/14/2013	3.02					
3	05/16/2013	2.96					
4	08/09/2013	2.24					
5	11/21/2013	2.0					
6	02/27/2014	2.0					
7	05/09/2014	1.0					
8	08/05/2014	8.77					
9	11/06/2014	1.0					
10	02/04/2015	5.6					
11	05/21/2015	1.9					
12	08/12/2015	2.2					
13	11/06/2015	3.2					
14	02/11/2016	0.1					
15	05/05/2016	0.1					
16	08/04/2016	3.1					
17	11/11/2016	0.1					
18	1/30/2017	0.1					
19	5/10/2017	0.3					
20	8/2/2017	0.1					
21	11/13/2017	2.9					
22	2/16/2018	2.2					
23	6/18/2018	0.1					
24	8/23/2018	1.2					
25	11/8/2018	0.1					
26	2/7/2019	0.4					
27	5/7/2019	0.7					
28	8/27/2019	1.0					
29	11/6/2019	1.3					
30	2/5/2020	1.5					
31	4/28/2020	1.4					
32	8/3/2020	0.10					
33	11/9/2020	0.17					
34	2/8/2021	0.59					
35	5/18/2021	0.93					
36	8/16/2021	0.50					
37	11/15/2021	0.50					
38	3/1/2022	0.42					
39	5/12/2022	0.094					
40	8/29/2022	0.710					

Coefficient of Variation:	1.18
Mann-Kendall Statistic (S):	-247
Confidence Factor:	99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

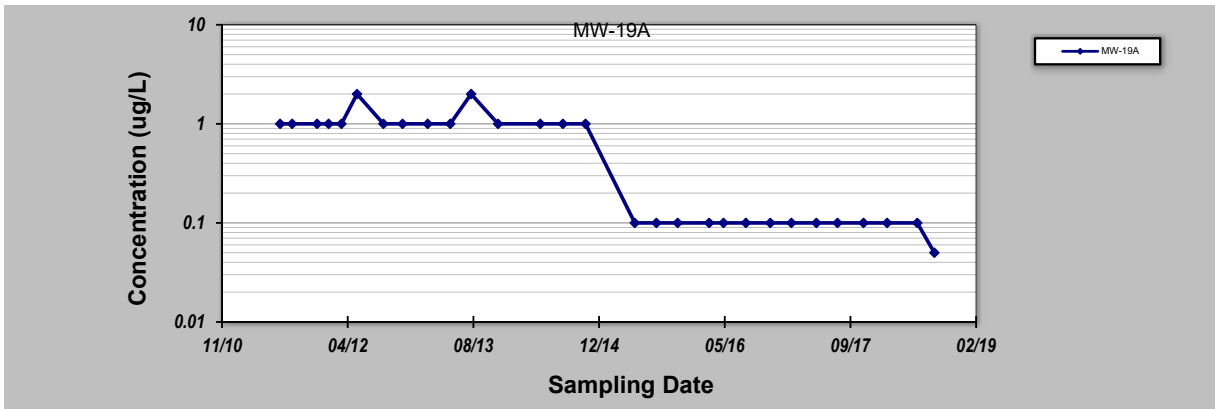
for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-19A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	07/07/2011	1					
2	8/24/2011	1					
3	12/01/2011	1					
4	01/16/2012	1					
5	03/07/2012	1					
6	05/08/2012	2					
7	08/21/2012	1					
8	11/05/2012	1					
9	02/13/2013	1					
10	05/14/2013	1					
11	08/05/2013	2					
12	11/20/2013	1					
13	05/07/2014	1					
14	08/05/2014	1					
15	11/03/2014	1					
16	05/18/2015	0.1					
17	08/12/2015	0.1					
18	11/4/2015	0.1					
19	03/09/2016	0.1					
20	05/05/2016	0.1					
21	08/02/2016	0.1					
22	11/07/2016	0.1					
23	01/30/2017	0.1					
24	05/09/2017	0.1					
25	08/01/2017	0.1					
26	11/13/2017	0.1					
27	02/15/2018	0.1					
28	06/15/2018	0.1					
29	08/22/2018	0.05					
30							

Coefficient of Variation:	0.92
Mann-Kendall Statistic (S):	-221
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

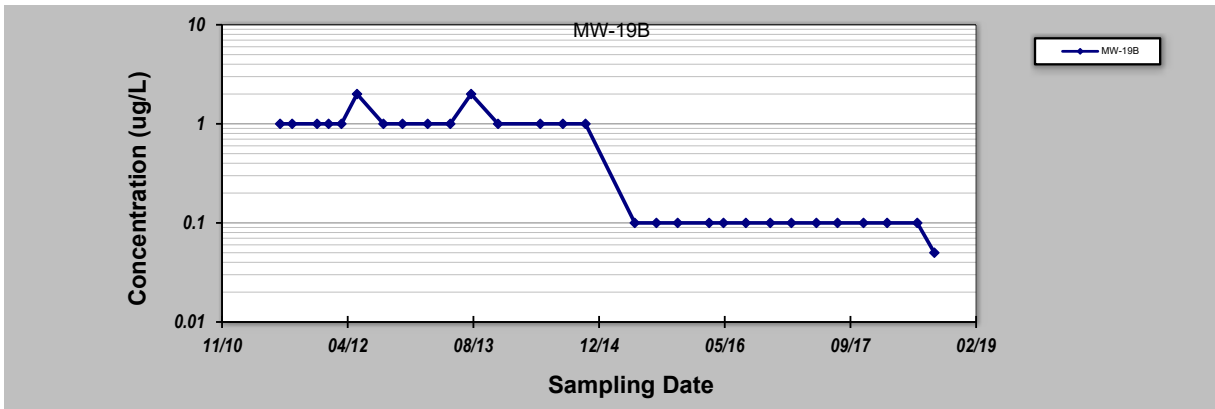
for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-19B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	07/07/2011	1					
2	8/24/2011	1					
3	12/01/2011	1					
4	01/16/2012	1					
5	03/07/2012	1					
6	05/08/2012	2					
7	08/21/2012	1					
8	11/05/2012	1					
9	02/13/2013	1					
10	05/14/2013	1					
11	08/05/2013	2					
12	11/20/2013	1					
13	05/07/2014	1					
14	08/05/2014	1					
15	11/03/2014	1					
16	05/18/2015	0.1					
17	08/12/2015	0.1					
18	11/4/2015	0.1					
19	03/09/2016	0.1					
20	05/05/2016	0.1					
21	08/02/2016	0.1					
22	11/07/2016	0.1					
23	01/30/2017	0.1					
24	05/09/2017	0.1					
25	08/01/2017	0.1					
26	11/13/2017	0.1					
27	02/15/2018	0.1					
28	06/15/2018	0.1					
29	08/22/2018	0.05					
30							

Coefficient of Variation:	0.92
Mann-Kendall Statistic (S):	-221
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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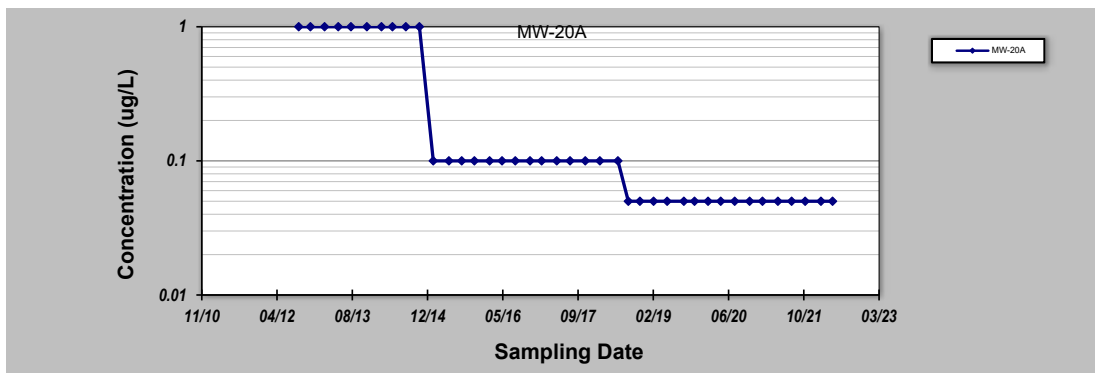
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-20A**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/23/2012	1					
2	11/9/2012	1					
3	02/11/2013	1					
4	05/13/2013	1					
5	08/05/2013	1					
6	11/19/2013	1					
7	02/24/2014	1					
8	05/08/2014	1					
9	08/05/2014	1					
10	11/03/2014	1					
11	02/03/2015	0.1					
12	05/18/2015	0.1					
13	08/11/2015	0.1					
14	11/03/2015	0.1					
15	02/12/2016	0.1					
16	05/05/2016	0.1					
17	08/01/2016	0.1					
18	11/7/2016	0.1					
19	01/23/2017	0.1					
20	05/03/2017	0.1					
21	07/31/2017	0.1					
22	11/09/2017	0.1					
23	02/14/2018	0.1					
24	06/14/2018	0.1					
25	08/22/2018	0.05					
26	11/07/2018	0.05					
27	02/06/2019	0.05					
28	05/07/2019	0.05					
29	08/26/2019	0.05					
30	11/05/2019	0.05					
31	02/03/2020	0.05					
32	04/27/2020	0.05					
33	07/29/2020	0.05					
34	11/05/2020	0.05					
35	01/29/2021	0.05					
36	05/12/2021	0.05					
37	08/11/2021	0.05					
38	11/09/2021	0.05					
39	02/22/2022	0.05					
40	05/10/2022	0.05					

Coefficient of Variation:	1.33
Mann-Kendall Statistic (S):	-524
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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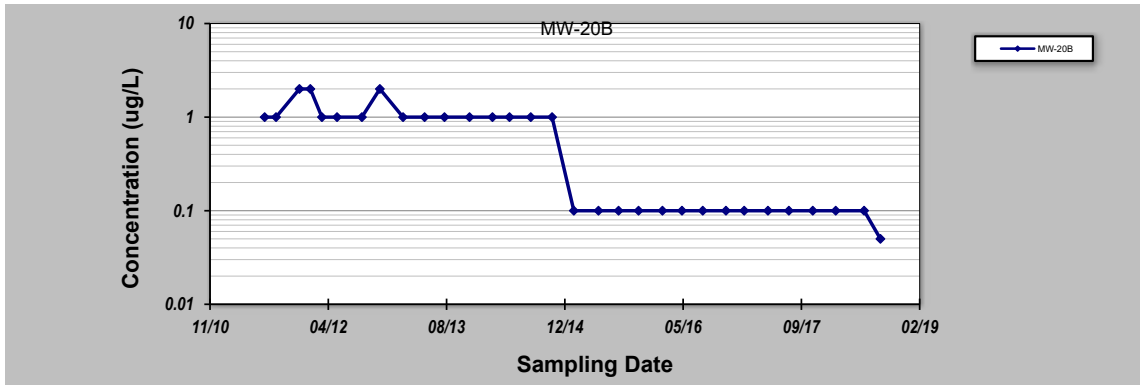
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **12-Oct-22** Job ID: **0403421**
 Facility Name: **Parkton/High's 141** Constituent: **Benzene - Long Term**
 Conducted By: **Amelia Ryan** Concentration Units: **ug/L**

Sampling Point ID: **MW-20B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	07/07/2011	1					
2	8/24/2011	1					
3	12/01/2011	2					
4	01/16/2012	2					
5	03/05/2012	1					
6	05/08/2012	1					
7	08/21/2012	1					
8	11/05/2012	2					
9	02/11/2013	1					
10	05/13/2013	1					
11	08/05/2013	1					
12	11/19/2013	1					
13	02/24/2014	1					
14	05/07/2014	1					
15	08/05/2014	1					
16	11/03/2014	1					
17	02/03/2015	0.1					
18	5/18/2015	0.1					
19	08/11/2015	0.1					
20	11/03/2015	0.1					
21	02/12/2016	0.1					
22	05/05/2016	0.1					
23	08/01/2016	0.1					
24	11/07/2016	0.1					
25	01/23/2017	0.1					
26	05/03/2017	0.1					
27	07/31/2017	0.1					
28	11/09/2017	0.1					
29	02/14/2018	0.1					
30	06/14/2018	0.1					
31	08/22/2018	0.05					
32							
33							
34							
35							

Coefficient of Variation: **0.94**
 Mann-Kendall Statistic (S): **-275**
 Confidence Factor: **>99.9%**
 Concentration Trend: **Decreasing**



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S<0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

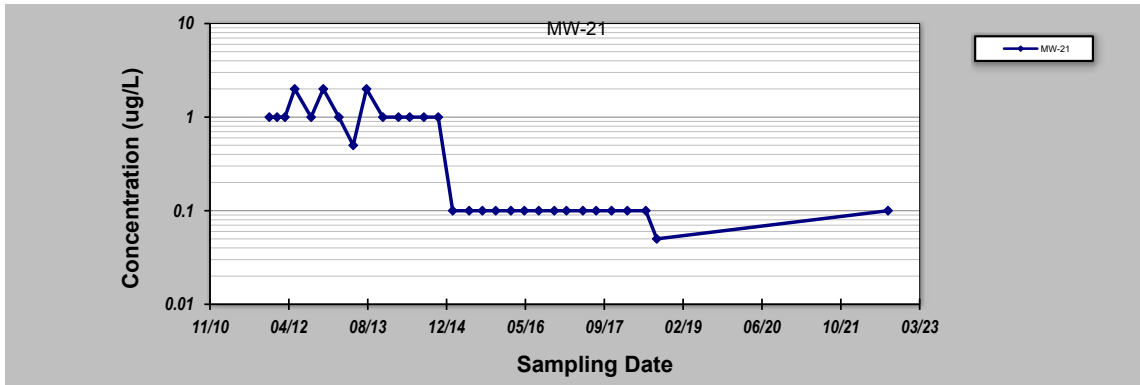
for Constituent Trend Analysis

Evaluation Date: **12-Oct-22** Job ID: **0403421**
 Facility Name: **Parkton/High's 141** Constituent: **Benzene - Long Term**
 Conducted By: **Amelia Ryan** Concentration Units: **ug/L**

Sampling Point ID: **MW-21**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	11/29/2011	1					
2	1/17/2012	1					
3	03/07/2012	1					
4	05/08/2012	2					
5	08/20/2012	1					
6	11/05/2012	2					
7	02/12/2013	1					
8	05/14/2013	0.5					
9	08/06/2013	2					
10	11/18/2013	1					
11	02/25/2014	1					
12	05/07/2014	1					
13	08/05/2014	1					
14	11/04/2014	1					
15	02/04/2015	0.1					
16	05/19/2015	0.1					
17	08/11/2015	0.1					
18	11/3/2015	0.1					
19	02/08/2016	0.1					
20	05/03/2016	0.1					
21	08/02/2016	0.1					
22	11/09/2016	0.1					
23	01/25/2017	0.1					
24	05/09/2017	0.1					
25	08/01/2017	0.1					
26	11/07/2017	0.1					
27	02/15/2018	0.1					
28	06/12/2018	0.1					
29	08/21/2018	0.05					
30	08/26/2022	0.1					
31							
32							
33							
34							
35							

Coefficient of Variation: **1.05**
 Mann-Kendall Statistic (S): **-244**
 Confidence Factor: **>99.9%**
 Concentration Trend: **Decreasing**



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S<0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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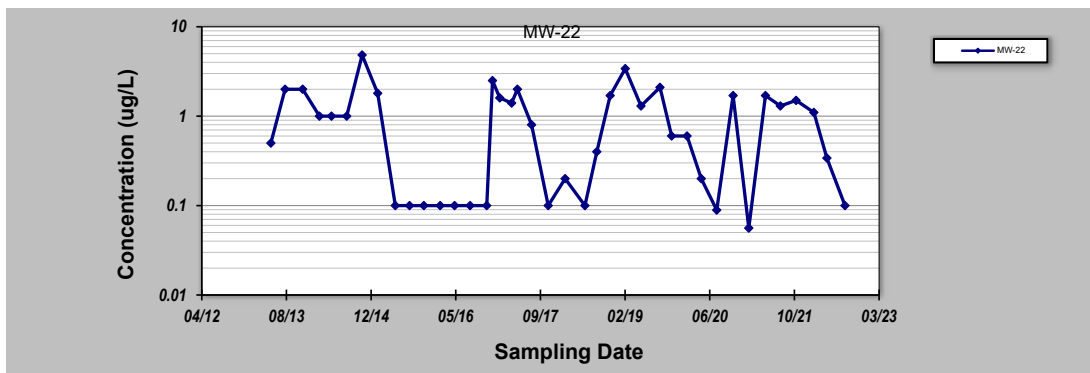
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-22**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	05/14/2013	0.5					
2	08/06/2013	2.0					
3	11/18/2013	2.0					
4	02/25/2014	1.0					
5	05/07/2014	1.0					
6	08/05/2014	1.0					
7	11/04/2014	4.83					
8	02/04/2015	1.8					
9	05/19/2015	0.1					
10	08/11/2015	0.1					
11	11/03/2015	0.1					
12	02/08/2016	0.1					
13	05/03/2016	0.1					
14	08/02/2016	0.1					
15	11/9/2016	0.1					
16	12/13/2016	2.5					
17	1/25/2017	1.6					
18	4/5/2017	1.4					
19	5/9/2017	2.0					
20	8/1/2017	0.8					
21	11/7/2017	0.1					
22	2/15/2018	0.2					
23	6/12/2018	0.1					
24	8/21/2018	0.4					
25	11/8/2018	1.7					
26	2/5/2019	3.4					
27	5/9/2019	1.3					
28	8/29/2019	2.1					
29	11/6/2019	0.6					
30	2/5/2020	0.6					
31	4/29/2020	0.2					
32	7/29/2020	0.089					
33	11/3/2020	1.7					
34	2/3/2021	0.1					
35	5/13/2021	1.7					
36	8/9/2021	1.3					
37	11/10/2021	1.5					
38	2/23/2022	1.1					
39	5/11/2022	0.34					
40	08/26/2022	0.10					

Coefficient of Variation:	1.00
Mann-Kendall Statistic (S):	-55
Confidence Factor:	73.4%
Concentration Trend:	Stable



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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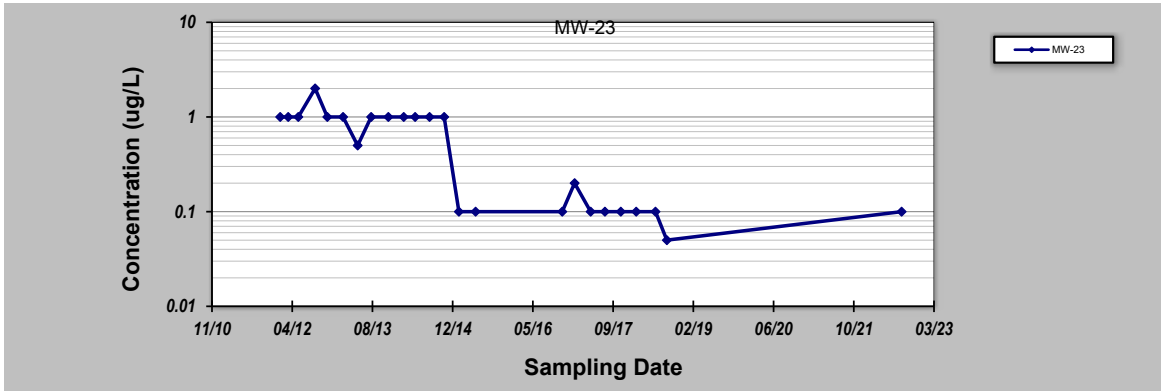
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: MW-23	

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)				
1	11/29/2011	1.32				
2	01/17/2012	1.0				
3	03/07/2012	1.0				
4	05/09/2012	1.0				
5	08/22/2012	2.0				
6	11/06/2012	1.0				
7	02/12/2013	1.0				
8	05/14/2013	0.5				
9	08/06/2013	1.0				
10	11/21/2013	1.0				
11	02/25/2014	1.0				
12	05/07/2014	1.0				
13	08/05/2014	1.0				
14	11/04/2014	1.0				
15	02/04/2015	0.1				
16	05/19/2015	0.1				
17	08/11/2015	0.1				
18	11/05/2015	0.1				
19	02/11/2016	0.1				
20	05/03/2016	0.1				
21	08/03/2016	0.1				
22	11/9/2016	0.1				
23	1/25/2017	0.2				
24	5/5/2017	0.1				
25	8/2/2017	0.1				
26	11/9/2017	0.1				
27	2/13/2018	0.1				
28	6/13/2018	0.1				
29	8/23/2018	0.05				
30	8/25/2022	0.10				
31						
32						
33						
34						
35						
Coefficient of Variation:		0.87				
Mann-Kendall Statistic (S):		-158				
Confidence Factor:		>99.9%				
Concentration Trend:		Decreasing				



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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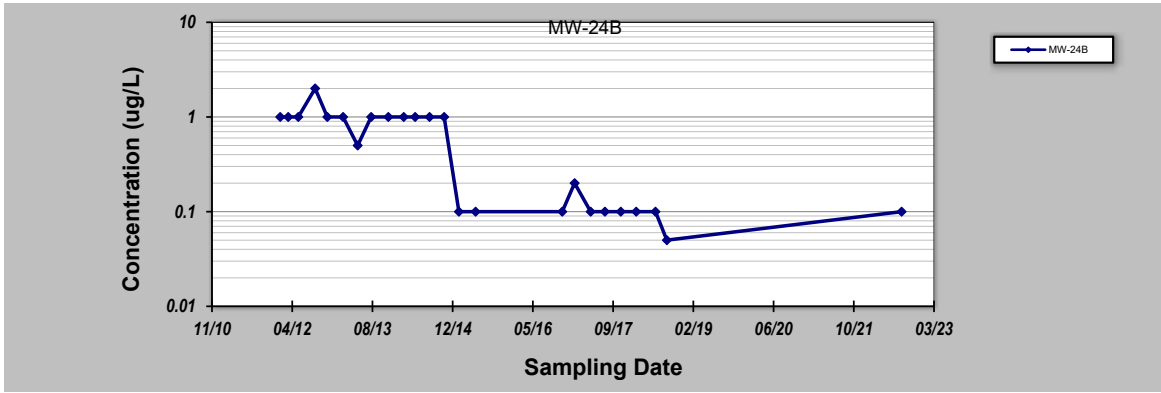
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: MW-24B	

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)				
1	11/29/2011	1.32				
2	01/17/2012	1.0				
3	03/07/2012	1.0				
4	05/09/2012	1.0				
5	08/22/2012	2.0				
6	11/06/2012	1.0				
7	02/12/2013	1.0				
8	05/14/2013	0.5				
9	08/06/2013	1.0				
10	11/21/2013	1.0				
11	02/25/2014	1.0				
12	05/07/2014	1.0				
13	08/05/2014	1.0				
14	11/04/2014	1.0				
15	02/04/2015	0.1				
16	05/19/2015	0.1				
17	08/11/2015	0.1				
18	11/05/2015	0.1				
19	02/11/2016	0.1				
20	05/03/2016	0.1				
21	08/03/2016	0.1				
22	11/9/2016	0.1				
23	1/25/2017	0.2				
24	5/5/2017	0.1				
25	8/2/2017	0.1				
26	11/9/2017	0.1				
27	2/13/2018	0.1				
28	6/13/2018	0.1				
29	8/23/2018	0.05				
30	8/25/2022	0.10				
31						
32						
33						
34						
35						
Coefficient of Variation:		0.87				
Mann-Kendall Statistic (S):		-158				
Confidence Factor:		>99.9%				
Concentration Trend:		Decreasing				



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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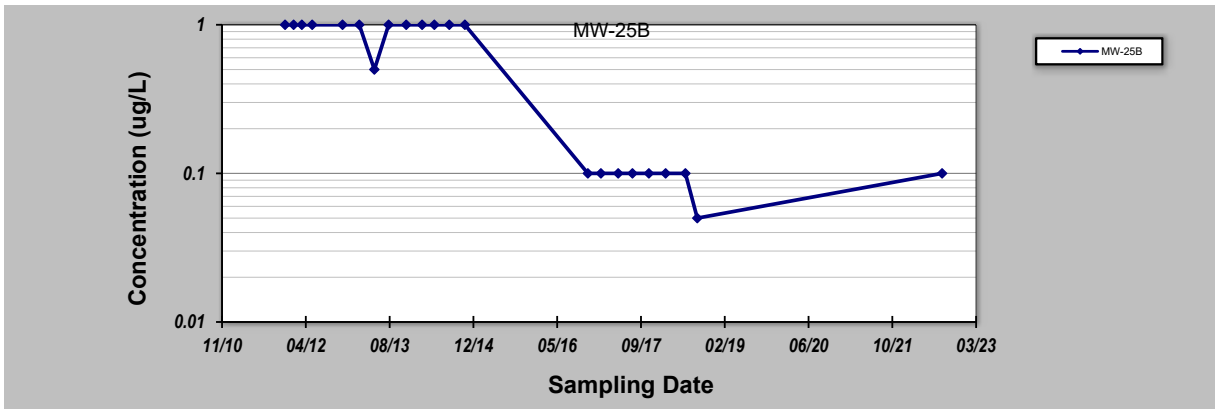
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-25B**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)						
1	11/29/2011	1.0						
2	01/19/2012	1.0						
3	03/08/2012	1.0						
4	05/09/2012	1.0						
5	11/06/2012	1.0						
6	02/14/2013	1.0						
7	05/15/2013	0.5						
8	08/08/2013	1.0						
9	11/21/2013	1.0						
10	02/24/2014	1.0						
11	05/08/2014	1.0						
12	08/05/2014	1.0						
13	11/06/2014	1.0						
14	02/04/2015	0.1						
15	05/21/2015	0.1						
16	08/12/2015	0.1						
17	11/05/2015	0.1						
18	02/11/2016	0.1						
19	05/04/2016	0.1						
20	08/03/2016	0.1						
21	11/9/2016	0.1						
22	1/26/2017	0.1						
23	5/9/2017	0.1						
24	8/2/2017	0.1						
25	11/8/2017	0.1						
26	2/16/2018	0.1						
27	6/14/2018	0.1						
28	8/24/2018	0.05						
29	8/24/2022	0.10						
30								

Coefficient of Variation:	0.74
Mann-Kendall Statistic (S):	-89
Confidence Factor:	99.4%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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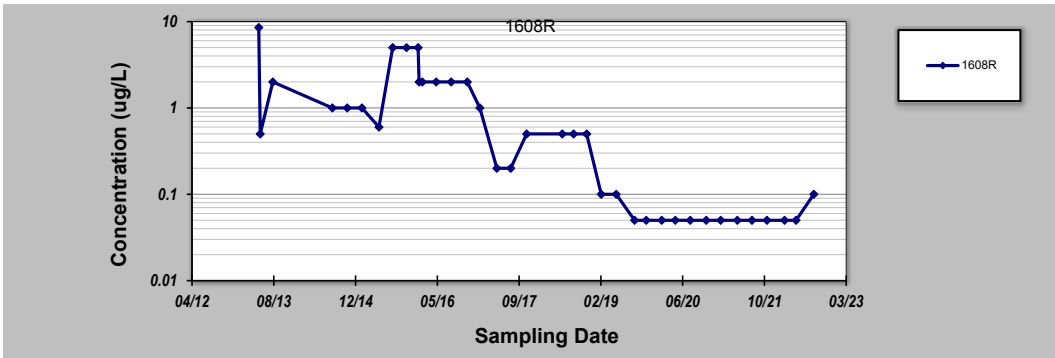
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 14-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: P.Reichardt	Concentration Units: ug/L

Sampling Point ID: **1608R**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)
1	05/14/2013	8.54
2	05/23/2013	0.5
3	08/08/2013	2.0
4	08/07/2014	1.0
5	11/06/2014	1.0
6	02/04/2015	1.0
7	05/19/2015	0.6
8	08/11/2015	5.0
9	11/03/2015	5.0
10	01/13/2016	5.0
11	01/19/2016	2.0
12	02/08/2016	2.0
13	05/03/2016	2.0
14	08/02/2016	2.0
15	11/09/2016	2.0
16	01/25/2017	1.0
17	05/09/2017	0.2
18	08/01/2017	0.2
19	11/07/2017	0.5
20	02/13/2018	1.0
21	06/13/2018	0.5
22	8/21/2018	0.5
23	11/9/2018	0.5
24	2/6/2019	0.1
25	5/9/2019	0.1
26	8/29/2019	0.05
27	11/8/2019	0.05
28	2/11/2020	0.05
29	5/4/2020	0.05
30	8/3/2020	0.05
31	11/09/2020	0.05
32	02/05/2021	0.1
33	05/18/2021	0.1
34	08/16/2021	0.1
35	11/15/2021	0.1
36	03/03/2022	0.1
37	05/12/2022	0.1
38	08/29/2022	0.1
39		
40		

Coefficient of Variation:	1.57
Mann-Kendall Statistic (S):	-421
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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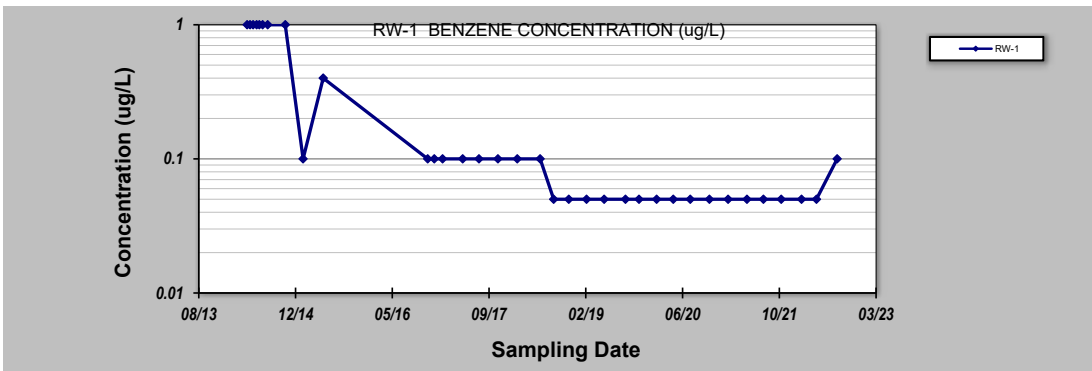
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **RW-1**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)						
1	04/21/2014	1.0						
2	05/06/2014	1.0						
3	05/22/2014	1.0						
4	06/09/2014	1.0						
5	06/23/2014	1.0						
6	07/10/2014	1.0						
7	08/05/2014	1.0						
8	11/04/2014	1.0						
9	02/04/2015	0.1						
10	05/19/2015	0.4						
11	08/11/2015	0.3						
12	11/03/2015	0.2						
13	02/08/2016	0.1						
14	05/04/2016	0.1						
15	08/02/2016	0.1						
16	11/9/2016	0.1						
17	12/13/2016	0.1						
18	1/25/2017	0.1						
19	5/9/2017	0.1						
20	8/1/2017	0.1						
21	11/7/2017	0.1						
22	2/15/2018	0.1						
23	6/13/2018	0.1						
24	8/22/2018	0.05						
25	11/8/2018	0.05						
26	2/8/2019	0.05						
27	5/10/2019	0.05						
28	8/28/2019	0.05						
29	11/6/2019	0.05						
30	2/5/2020	0.05						
31	5/1/2020	0.05						
32	7/28/2020	0.05						
33	11/4/2020	0.05						
34	2/8/2021	0.05						
35	5/17/2021	0.05						
36	8/10/2021	0.05						
37	11/10/2021	0.05						
38	2/23/2022	0.05						
39	5/11/2022	0.05						
40	8/26/2022	0.10						

Coefficient of Variation:	1.36
Mann-Kendall Statistic (S):	-450
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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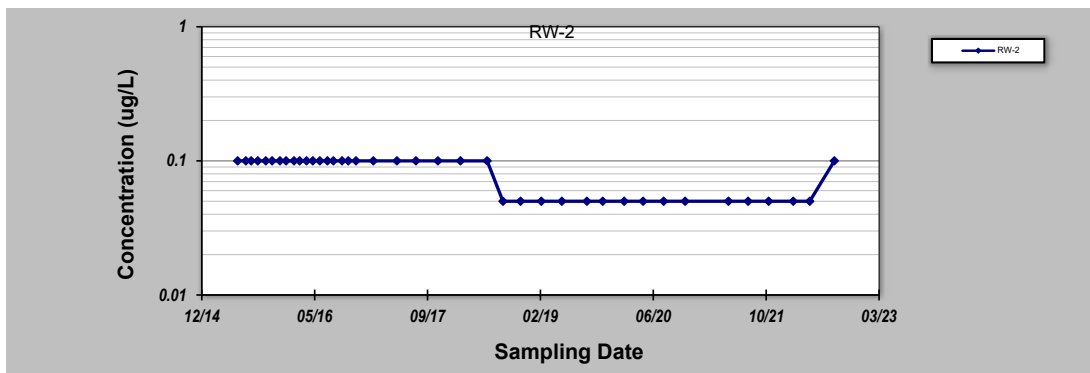
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **RW-2**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	06/04/2015	0.1					
2	7/10/2015	0.1					
3	08/03/2015	0.1					
4	09/01/2015	0.1					
5	10/06/2015	0.1					
6	11/03/2015	0.1					
7	12/08/2015	0.1					
8	01/04/2016	0.1					
9	02/08/2016	0.1					
10	03/04/2016	0.1					
11	04/04/2016	0.1					
12	05/02/2016	0.1					
13	06/02/2016	0.1					
14	07/05/2016	0.1					
15	08/01/2016	0.1					
16	09/08/2016	0.1					
17	10/06/2016	0.1					
18	11/9/2016	0.1					
19	01/25/2017	0.1					
20	05/09/2017	0.1					
21	08/01/2017	0.1					
22	11/07/2017	0.1					
23	02/15/2018	0.1					
24	06/13/2018	0.1					
25	08/22/2018	0.05					
26	11/08/2018	0.05					
27	02/08/2019	0.05					
28	05/10/2019	0.05					
29	08/29/2019	0.05					
30	11/07/2019	0.05					
31	02/10/2020	0.05					
32	05/04/2020	0.05					
33	08/03/2020	0.05					
34	11/06/2020	0.05					
35	05/17/2021	0.05					
36	08/12/2021	0.05					
37	11/11/2021	0.05					
38	02/28/2022	0.05					
39	05/12/2022	0.05					
40	08/29/2022	0.1					

Coefficient of Variation:	0.30
Mann-Kendall Statistic (S):	-345
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

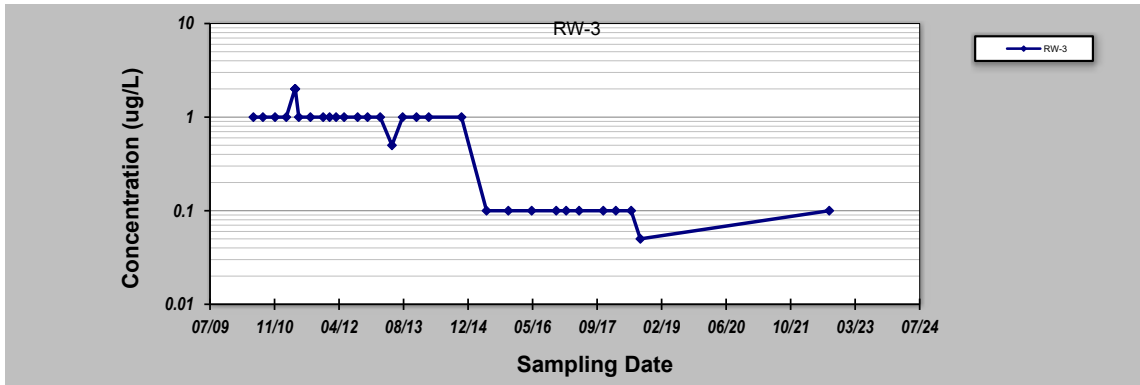
for Constituent Trend Analysis

Evaluation Date: **12-Oct-22** Job ID: **0403421**
 Facility Name: **Parkton/High's 141** Constituent: **Benzene - Long Term**
 Conducted By: **Amelia Ryan** Concentration Units: **ug/L**

Sampling Point ID: **RW-3**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	06/07/2010	1					
2	8/20/2010	1					
3	11/22/2010	1					
4	02/17/2011	1					
5	04/25/2011	2					
6	04/27/2011	2					
7	04/28/2011	2					
8	05/25/2011	1					
9	08/23/2011	1					
10	11/30/2011	1					
11	01/19/2012	1					
12	03/09/2012	1					
13	05/10/2012	1					
14	08/23/2012	1					
15	11/08/2012	1					
16	02/14/2013	1					
17	05/16/2013	0.5					
18	8/7/2013	1					
19	11/22/2013	1					
20	02/25/2014	1					
21	11/06/2014	1					
22	05/19/2015	0.1					
23	11/03/2015	0.1					
24	05/03/2016	0.1					
25	11/09/2016	0.1					
26	01/25/2017	0.1					
27	05/05/2017	0.1					
28	11/09/2017	0.1					
29	02/14/2018	0.1					
30	06/13/2018	0.1					
31	08/23/2018	0.05					
32	08/26/2022	0.1					
33							
34							
35							

Coefficient of Variation: **0.76**
 Mann-Kendall Statistic (S): **-278**
 Confidence Factor: **>99.9%**
 Concentration Trend: **Decreasing**



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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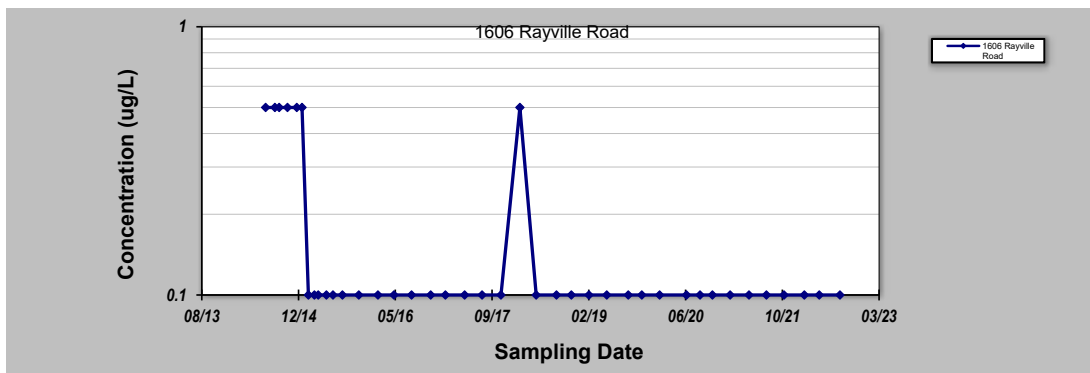
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **1606 Rayville Road**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	07/10/2014	0.5					
2	8/27/2014	0.5					
3	09/18/2014	0.5					
4	10/31/2014	0.5					
5	12/18/2014	0.5					
6	01/14/2015	0.5					
7	02/16/2015	0.1					
8	03/19/2015	0.1					
9	04/08/2015	0.1					
10	05/20/2015	0.1					
11	06/23/2015	0.1					
12	08/11/2015	0.1					
13	11/03/2015	0.1					
14	02/10/2016	0.1					
15	05/03/2016	0.1					
16	08/02/2016	0.1					
17	11/09/2016	0.1					
18	1/24/2017	0.1					
19	05/03/2017	0.1					
20	08/01/2017	0.1					
21	11/07/2017	0.1					
22	02/13/2018	0.5					
23	05/08/2018	0.1					
24	08/21/2018	0.1					
25	11/06/2018	0.1					
26	02/05/2019	0.1					
27	05/08/2019	0.1					
28	08/27/2019	0.1					
29	11/05/2019	0.1					
30	02/05/2020	0.1					
31	06/23/2020	0.1					
32	09/01/2020	0.1					
33	11/04/2020	0.1					
34	02/03/2021	0.1					
35	05/12/2021	0.1					
36	08/10/2021	0.1					
37	11/09/2021	0.1					
38	02/22/2022	0.1					
39	05/10/2022	0.1					
40	08/25/2022	0.1					

Coefficient of Variation:	0.91
Mann-Kendall Statistic (S):	-201
Confidence Factor:	99.1%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

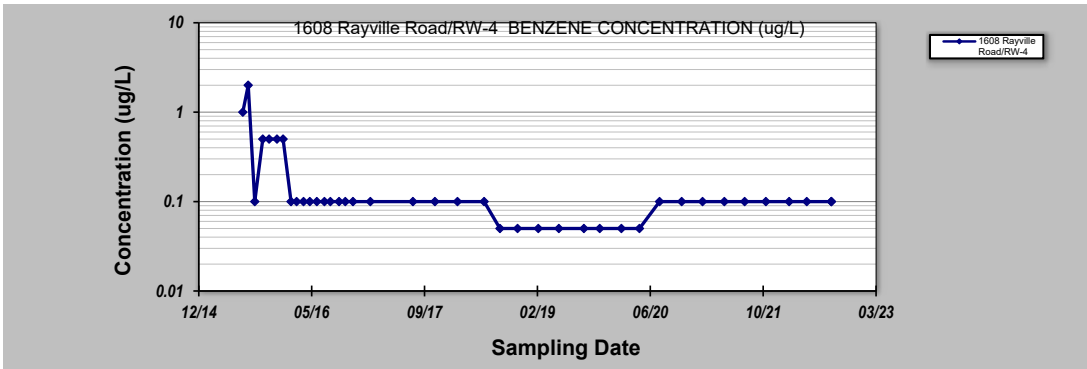
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 11-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: 1608 Rayville Road/RW-4	

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	07/10/2015	1.0					
2	08/03/2015	2.0					
3	09/01/2015	0.1					
4	10/06/2015	0.5					
5	11/03/2015	0.5					
6	12/08/2015	0.5					
7	01/04/2016	0.5					
8	02/08/2016	0.1					
9	03/04/2016	0.1					
10	04/04/2016	0.1					
11	05/02/2016	0.1					
12	06/02/2016	0.1					
13	07/05/2016	0.1					
14	08/01/2016	0.1					
15	09/08/2016	0.1					
16	10/06/2016	0.1					
17	11/9/2016	0.1					
18	1/25/2017	0.1					
19	8/1/2017	0.1					
20	11/7/2017	0.1					
21	2/15/2018	0.1					
22	6/13/2018	0.1					
23	8/22/2018	0.05					
24	11/8/2018	0.05					
25	2/8/2019	0.05					
26	5/10/2019	0.05					
27	8/29/2019	0.05					
28	11/7/2019	0.05					
29	2/11/2020	0.05					
30	5/1/2020	0.05					
31	7/29/2020	0.1					
32	11/4/2020	0.1					
33	2/4/2021	0.1					
34	5/12/2021	0.1					
35	8/10/2021	0.1					
36	11/12/2021	0.1					
37	2/23/2022	0.1					
38	5/12/2022	0.1					
39	8/29/2022	0.1					
40	8/29/2022	0.1					

Coefficient of Variation:	1.73
Mann-Kendall Statistic (S):	-251
Confidence Factor:	99.8%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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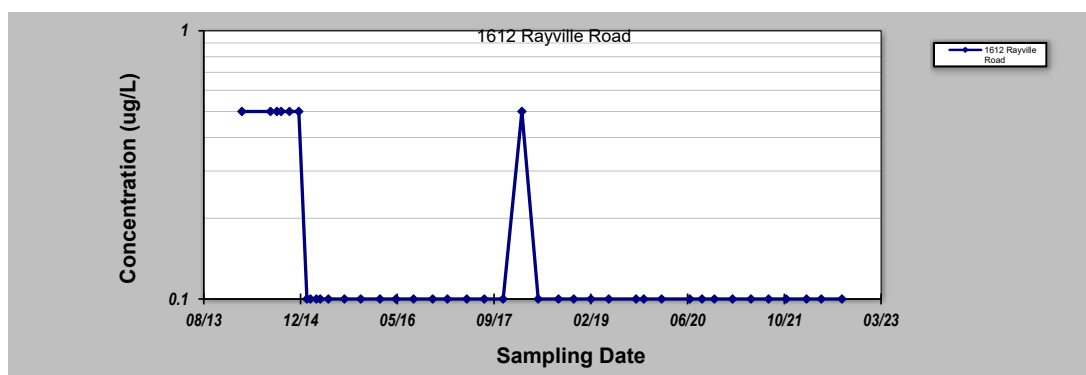
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **1612 Rayville Road**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	02/27/2014	0.5					
2	7/25/2014	0.5					
3	08/27/2014	0.5					
4	09/18/2014	0.5					
5	10/31/2014	0.5					
6	12/18/2014	0.5					
7	01/29/2015	0.1					
8	02/16/2015	0.1					
9	03/19/2015	0.1					
10	04/08/2015	0.1					
11	05/20/2015	0.1					
12	08/11/2015	0.1					
13	11/03/2015	0.1					
14	02/10/2016	0.1					
15	05/03/2016	0.1					
16	08/02/2016	0.1					
17	11/09/2016	0.1					
18	1/24/2017	0.1					
19	05/04/2017	0.1					
20	08/02/2017	0.1					
21	11/08/2017	0.1					
22	02/13/2018	0.5					
23	05/08/2018	0.1					
24	08/21/2018	0.1					
25	11/08/2018	0.1					
26	02/05/2019	0.1					
27	05/08/2019	0.1					
28	09/26/2019	0.1					
29	11/05/2019	0.1					
30	02/05/2020	0.1					
31	06/30/2020	0.1					
32	09/01/2020	0.1					
33	11/04/2020	0.1					
34	02/05/2021	0.1					
35	05/12/2021	0.1					
36	08/11/2021	0.1					
37	11/10/2021	0.1					
38	02/23/2022	0.1					
39	05/10/2022	0.1					
40	08/25/2022	0.1					
Coefficient of Variation:		0.91					
Mann-Kendall Statistic (S):		-201					
Confidence Factor:		99.1%					
Concentration Trend:		Decreasing					



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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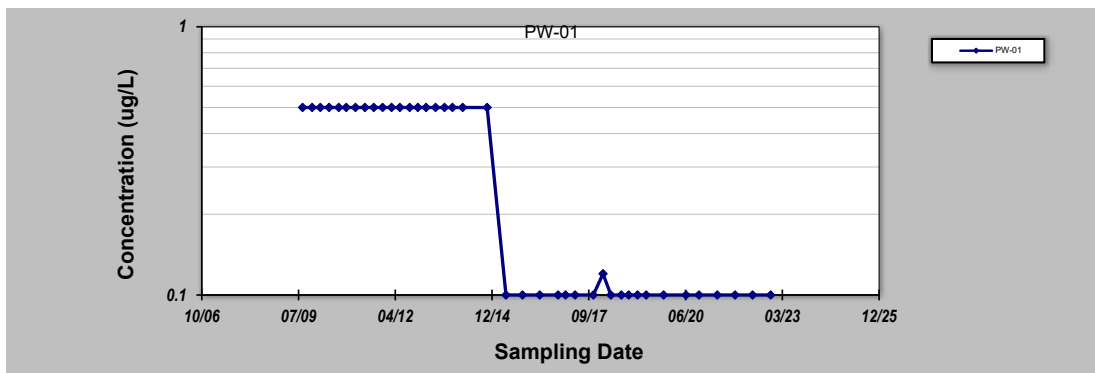
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **PW-01**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/17/2009	0.5					
2	11/24/2009	0.5					
3	02/16/2010	0.5					
4	05/18/2010	0.5					
5	08/26/2010	0.5					
6	11/11/2010	0.5					
7	02/15/2011	0.5					
8	05/23/2011	0.5					
9	08/23/2011	0.5					
10	11/22/2011	0.5					
11	02/23/2012	0.5					
12	05/18/2012	0.5					
13	08/28/2012	0.5					
14	11/20/2012	0.5					
15	02/13/2013	0.5					
16	05/22/2013	0.5					
17	08/22/2013	0.5					
18	11/13/2013	0.5					
19	02/27/2014	0.5					
20	11/06/2014	0.5					
21	05/20/2015	0.1					
22	11/06/2015	0.1					
23	05/03/2016	0.1					
24	11/09/2016	0.1					
25	01/24/2017	0.1					
26	05/03/2017	0.1					
27	11/08/2017	0.1					
28	02/16/2018	0.12					
29	05/08/2018	0.1					
30	08/24/2018	0.1					
31	11/08/2018	0.1					
32	02/08/2019	0.1					
33	05/08/2019	0.1					
34	11/05/2019	0.1					
35	06/23/2020	0.1					
36	11/04/2020	0.1					
37	05/12/2021	0.1					
38	11/12/2021	0.1					
39	05/12/2022	0.1					
40	11/15/2022	0.1					

Coefficient of Variation:	0.67
Mann-Kendall Statistic (S):	-405
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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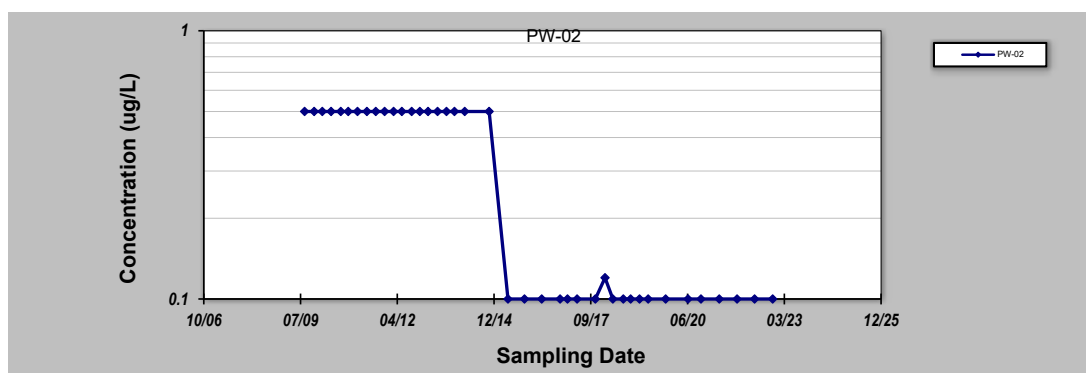
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **PW-02**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/17/2009	0.5					
2	11/24/2009	0.5					
3	02/16/2010	0.5					
4	05/18/2010	0.5					
5	08/26/2010	0.5					
6	11/11/2010	0.5					
7	02/15/2011	0.5					
8	05/23/2011	0.5					
9	08/23/2011	0.5					
10	11/22/2011	0.5					
11	02/23/2012	0.5					
12	05/18/2012	0.5					
13	08/28/2012	0.5					
14	11/20/2012	0.5					
15	02/13/2013	0.5					
16	05/22/2013	0.5					
17	08/22/2013	0.5					
18	11/13/2013	0.5					
19	02/27/2014	0.5					
20	11/06/2014	0.5					
21	05/20/2015	0.1					
22	11/06/2015	0.1					
23	05/03/2016	0.1					
24	11/09/2016	0.1					
25	01/24/2017	0.1					
26	05/03/2017	0.1					
27	11/08/2017	0.1					
28	02/16/2018	0.12					
29	05/08/2018	0.1					
30	08/24/2018	0.1					
31	11/08/2018	0.1					
32	02/08/2019	0.1					
33	05/08/2019	0.1					
34	11/05/2019	0.1					
35	06/23/2020	0.1					
36	11/04/2020	0.1					
37	05/12/2021	0.1					
38	11/12/2021	0.1					
39	05/12/2022	0.1					
40	11/15/2022	0.1					

Coefficient of Variation:	0.67
Mann-Kendall Statistic (S):	-405
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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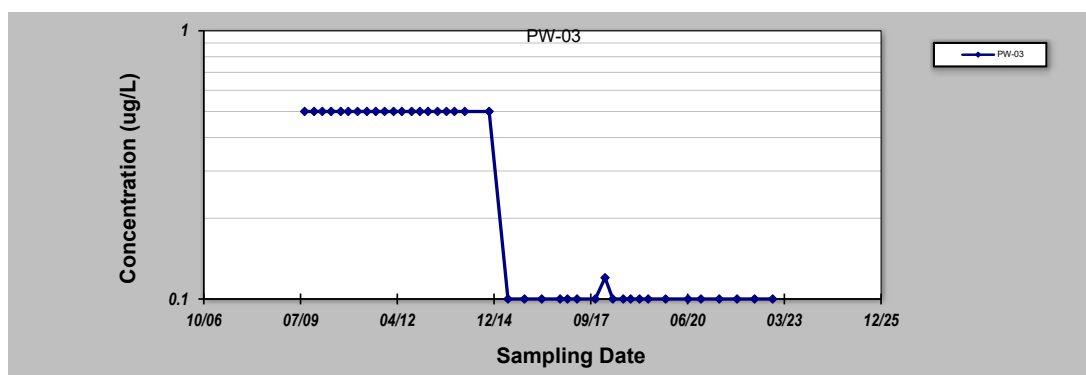
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Benzene - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **PW-03**

Sampling Event	Sampling Date	BENZENE - LONG TERM CONCENTRATION (ug/L)					
1	08/17/2009	0.5					
2	11/23/2009	0.5					
3	02/16/2010	0.5					
4	05/18/2010	0.5					
5	08/26/2010	0.5					
6	11/11/2010	0.5					
7	02/16/2011	0.5					
8	05/23/2011	0.5					
9	08/23/2011	0.5					
10	11/22/2011	0.5					
11	02/23/2012	0.5					
12	05/18/2012	0.5					
13	08/28/2012	0.5					
14	11/20/2012	0.5					
15	02/13/2013	0.5					
16	05/22/2013	0.5					
17	08/22/2013	0.5					
18	11/13/2013	0.5					
19	02/27/2014	0.5					
20	11/06/2014	0.5					
21	05/20/2015	0.1					
22	11/06/2015	0.1					
23	05/03/2016	0.1					
24	11/09/2016	0.1					
25	01/24/2017	0.1					
26	05/03/2017	0.1					
27	11/08/2017	0.1					
28	02/16/2018	0.12					
29	05/08/2018	0.1					
30	08/24/2018	0.1					
31	11/08/2018	0.1					
32	02/08/2019	0.1					
33	05/08/2019	0.1					
34	11/05/2019	0.1					
35	06/23/2020	0.1					
36	11/04/2020	0.1					
37	05/12/2021	0.1					
38	11/12/2021	0.1					
39	05/12/2022	0.1					
40	11/15/2022	0.1					

Coefficient of Variation:	0.67
Mann-Kendall Statistic (S):	-405
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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APPENDIX F

Mann Kendall Analyses - MTBE

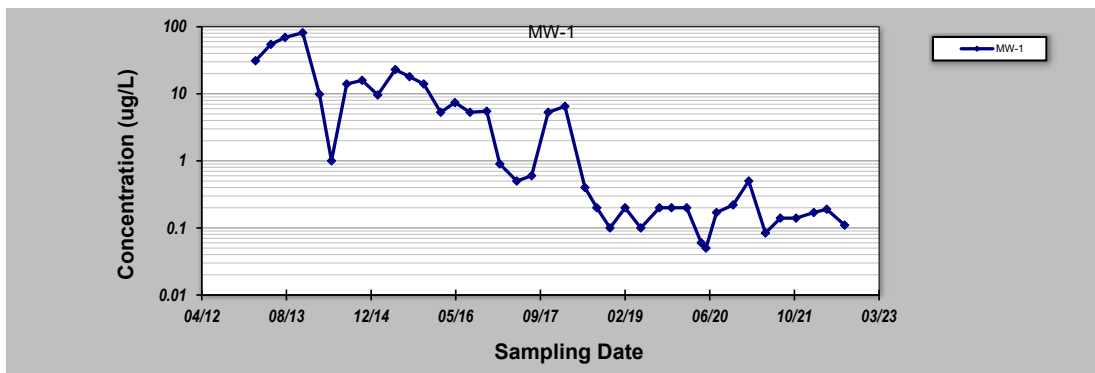
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-1**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	02/12/2013	31.1					
2	05/14/2013	54.6					
3	08/06/2013	69.3					
4	11/18/2013	81.4					
5	02/25/2014	9.85					
6	05/07/2014	1.0					
7	08/05/2014	14					
8	11/04/2014	15.9					
9	02/04/2015	9.6					
10	05/19/2015	23					
11	8/11/2015	18					
12	11/03/2015	14					
13	02/11/2016	5.3					
14	05/05/2016	7.4					
15	08/02/2016	5.3					
16	11/09/2016	5.5					
17	01/25/2017	0.9					
18	05/05/2017	0.5					
19	08/01/2017	0.6					
20	11/07/2017	5.3					
21	02/14/2018	6.5					
22	06/12/2018	0.4					
23	08/21/2018	0.2					
24	11/07/2018	0.1					
25	02/04/2019	0.2					
26	05/08/2019	0.1					
27	08/26/2019	0.2					
28	11/05/2019	0.2					
29	02/03/2020	0.2					
30	04/29/2020	0.06					
31	05/27/2020	0.05					
32	07/28/2020	0.17					
33	11/03/2020	0.22					
34	02/03/2021	0.5					
35	05/13/2021	0.084					
36	08/09/2021	0.14					
37	11/10/2021	0.14					
38	02/23/2022	0.17					
39	5/10/2022	0.19					
40	08/24/2022	0.11					

Coefficient of Variation:	1.95
Mann-Kendall Statistic (S):	-540
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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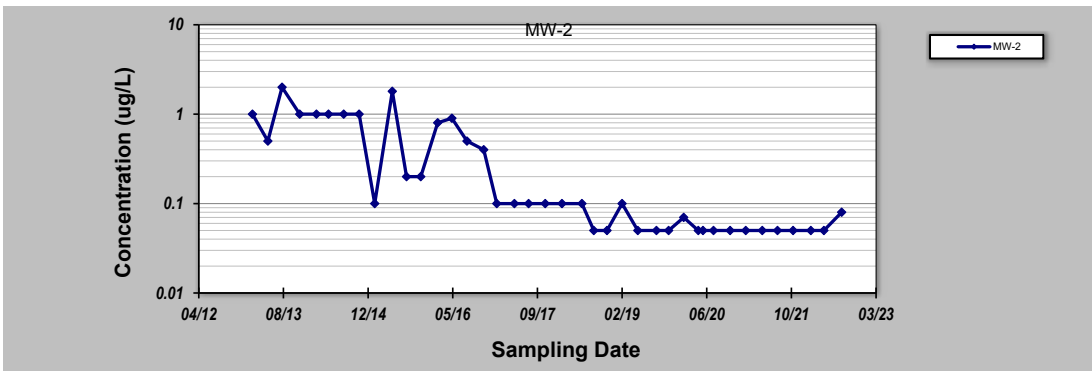
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-2**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	02/12/2013	1.0					
2	05/14/2013	0.5					
3	08/06/2013	2.0					
4	11/18/2013	1.0					
5	02/25/2014	1.0					
6	05/07/2014	1.0					
7	08/05/2014	1.0					
8	11/04/2014	1.0					
9	02/04/2015	0.1					
10	05/19/2015	1.8					
11	8/11/2015	0.20					
12	11/03/2015	0.20					
13	02/11/2016	0.80					
14	05/05/2016	0.90					
15	08/02/2016	0.50					
16	11/09/2016	0.40					
17	01/25/2017	0.10					
18	05/09/2017	0.10					
19	08/01/2017	0.10					
20	11/07/2017	0.10					
21	02/14/2018	0.10					
22	06/12/2018	0.10					
23	08/21/2018	0.05					
24	11/07/2018	0.05					
25	02/04/2019	0.10					
26	05/08/2019	0.05					
27	08/26/2019	0.05					
28	11/06/2019	0.05					
29	02/03/2020	0.07					
30	04/29/2020	0.05					
31	05/27/2020	0.05					
32	07/28/2020	0.05					
33	11/03/2020	0.05					
34	02/03/2021	0.05					
35	05/12/2021	0.05					
36	08/10/2021	0.05					
37	11/10/2021	0.05					
38	02/23/2022	0.05					
39	05/11/2022	0.05					
40	08/24/2022	0.08					

Coefficient of Variation:	1.35
Mann-Kendall Statistic (S):	-520
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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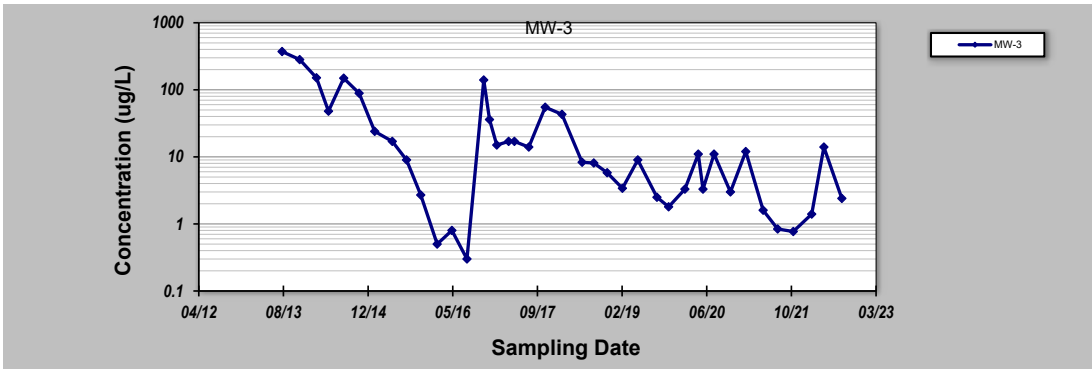
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-3**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/06/2013	372					
2	11/18/2013	282					
3	02/25/2014	151					
4	05/07/2014	48.0					
5	08/05/2014	149					
6	11/04/2014	88.9					
7	02/04/2015	24.0					
8	05/19/2015	17.0					
9	08/11/2015	9.0					
10	11/03/2015	2.7					
11	2/8/2016	0.50					
12	05/05/2016	0.80					
13	08/02/2016	0.30					
14	11/09/2016	140					
15	12/13/2016	36.0					
16	01/25/2017	15.0					
17	04/05/2017	17.0					
18	05/09/2017	17.0					
19	08/02/2017	14.0					
20	11/07/2017	55.0					
21	02/14/2018	43.0					
22	06/13/2018	8.3					
23	08/21/2018	8.1					
24	11/08/2018	5.8					
25	02/06/2019	3.4					
26	05/08/2019	9.0					
27	08/29/2019	2.5					
28	11/06/2019	1.8					
29	02/10/2020	3.3					
30	04/29/2020	11.0					
31	05/27/2020	3.3					
32	07/31/2020	11.0					
33	11/05/2020	3.0					
34	02/03/2021	12					
35	05/17/2021	1.6					
36	08/11/2021	0.84					
37	11/11/2021	0.77					
38	02/28/2022	1.4					
39	05/11/2022	14.0					
40	08/25/2022	2.4					

Coefficient of Variation:	1.97
Mann-Kendall Statistic (S):	-371
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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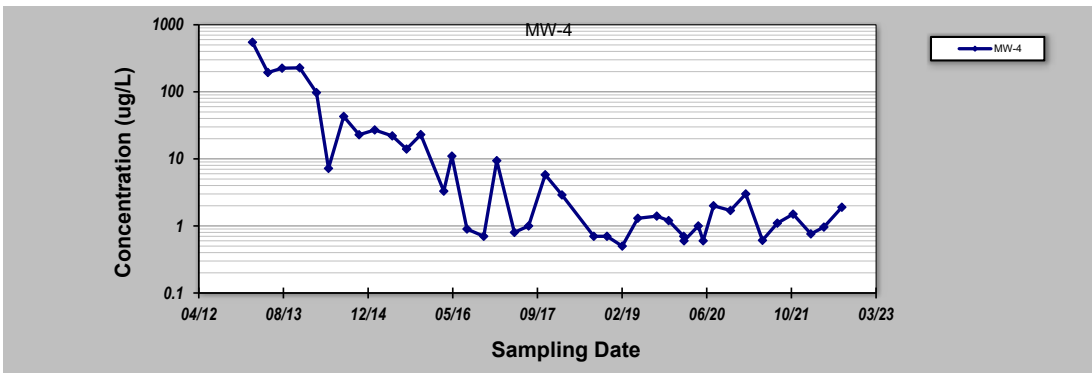
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-4**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	02/12/2013	548					
2	05/14/2013	194					
3	08/06/2013	225					
4	11/18/2013	228					
5	02/25/2014	97.2					
6	05/07/2014	7.2					
7	08/05/2014	42.9					
8	11/04/2014	22.9					
9	02/04/2015	27.0					
10	5/19/2015	22.0					
11	08/11/2015	14.0					
12	11/03/2015	23.0					
13	03/18/2016	3.3					
14	05/05/2016	11.0					
15	08/02/2016	0.9					
16	11/09/2016	0.7					
17	01/25/2017	9.4					
18	05/09/2017	0.8					
19	08/01/2017	1.0					
20	11/07/2017	5.8					
21	02/14/2018	2.9					
22	08/21/2018	0.7					
23	11/07/2018	0.7					
24	02/05/2019	0.5					
25	05/08/2019	1.3					
26	08/28/2019	1.4					
27	11/06/2019	1.2					
28	02/03/2020	0.7					
29	02/05/2020	0.6					
30	04/29/2020	1.0					
31	05/28/2020	0.6					
32	07/28/2020	2.0					
33	11/05/2020	1.7					
34	02/03/2021	3.0					
35	05/13/2021	0.61					
36	08/09/2021	1.1					
37	11/10/2021	1.5					
38	02/23/2022	0.76					
39	5/11/2022	0.96					
40	08/25/2022	1.9					

Coefficient of Variation:	2.68
Mann-Kendall Statistic (S):	-412
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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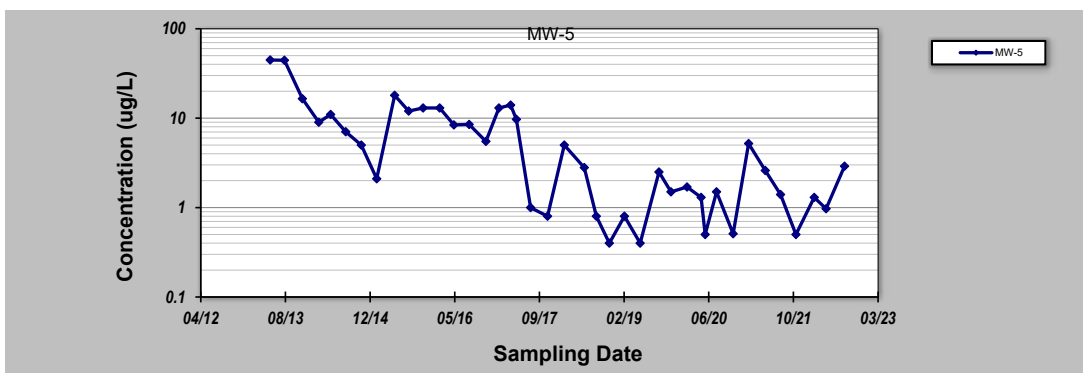
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether- Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-5**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER- LONG TERM CONCENTRATION (ug/L)					
1	05/16/2013	44.7					
2	08/08/2013	44.4					
3	11/22/2013	16.5					
4	02/27/2014	9.0					
5	05/08/2014	11.0					
6	08/05/2014	7.1					
7	11/05/2014	5.0					
8	02/04/2015	2.1					
9	05/21/2015	18.0					
10	08/12/2015	12.0					
11	11/05/2015	13.0					
12	2/11/2016	13.0					
13	05/05/2016	8.4					
14	08/03/2016	8.5					
15	11/10/2016	5.5					
16	01/26/2017	13					
17	04/05/2017	14					
18	05/09/2017	9.7					
19	08/01/2017	1.0					
20	11/09/2017	0.8					
21	02/16/2018	5.0					
22	06/14/2018	2.8					
23	08/24/2018	0.8					
24	11/09/2018	0.4					
25	02/06/2019	0.8					
26	05/10/2019	0.4					
27	08/29/2019	2.5					
28	11/08/2019	1.5					
29	02/11/2020	1.7					
30	05/04/2020	1.3					
31	05/28/2020	0.5					
32	08/03/2020	1.5					
33	11/09/2020	0.5					
34	02/08/2021	5.2					
35	05/18/2021	2.6					
36	08/16/2021	1.4					
37	11/15/2021	0.5					
38	03/03/2022	1.3					
39	5/12/2022	0.97					
40	08/29/2022	2.9					

Coefficient of Variation:	1.38
Mann-Kendall Statistic (S):	-397
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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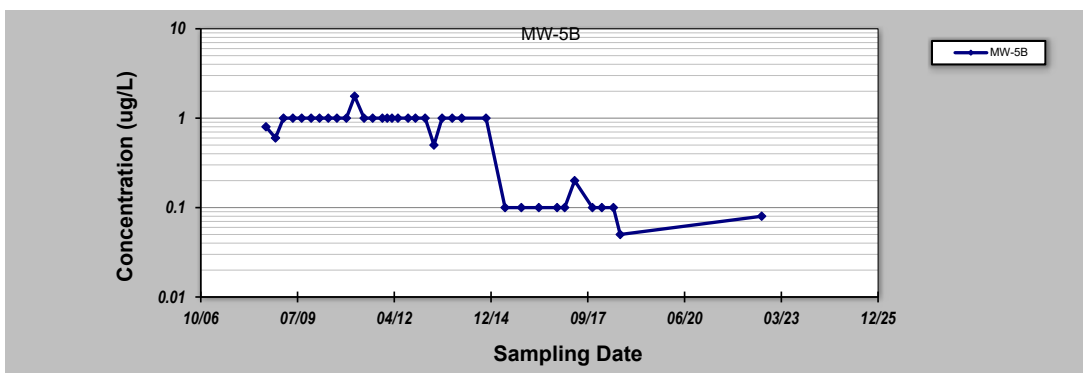
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-5B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	8/14/2008	0.8					
2	11/20/2008	0.6					
3	02/11/2009	1.0					
4	05/19/2009	1.0					
5	08/18/2009	1.0					
6	11/24/2009	1.0					
7	02/18/2010	1.0					
8	05/20/2010	1.0					
9	08/17/2010	1.0					
10	11/23/2010	1.0					
11	02/16/2011	1.8					
12	05/25/2011	1.0					
13	08/22/2011	1.0					
14	11/30/2011	1.0					
15	01/19/2012	1.0					
16	03/08/2012	1.0					
17	05/09/2012	1.0					
18	08/22/2012	1.0					
19	11/06/2012	1.0					
20	02/14/2013	1.0					
21	05/16/2013	0.5					
22	08/08/2013	1.0					
23	11/21/2013	1.0					
24	02/27/2014	1.0					
25	11/05/2014	1.0					
26	05/21/2015	0.1					
27	11/05/2015	0.1					
28	05/04/2016	0.1					
29	11/9/2016	0.1					
30	01/26/2017	0.1					
31	05/09/2017	0.2					
32	11/09/2017	0.1					
33	02/14/2018	0.1					
34	06/14/2018	0.1					
35	08/23/2018	0.05					
36	8/24/2022	0.08					
37							
38							
39							
40							

Coefficient of Variation:	0.64
Mann-Kendall Statistic (S):	-277
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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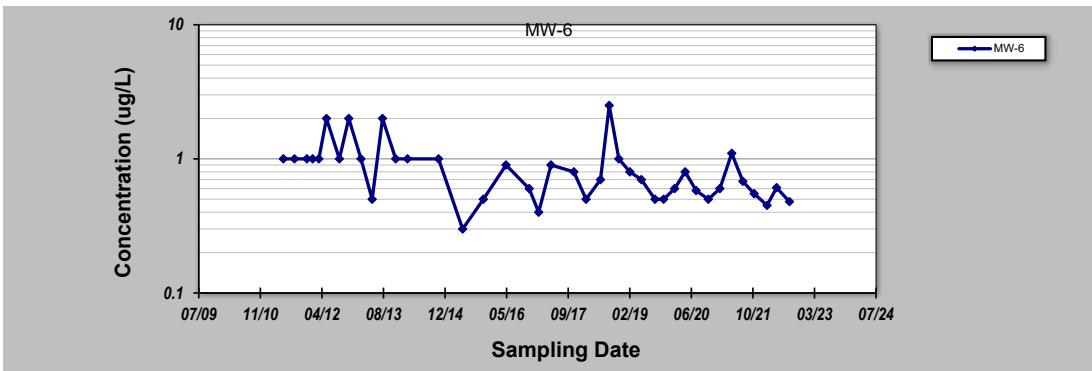
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-6**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	05/24/2011	1.0					
2	08/22/2011	1.0					
3	12/01/2011	1.0					
4	01/17/2012	1.0					
5	03/07/2012	1.0					
6	05/08/2012	2.0					
7	08/21/2012	1.0					
8	11/05/2012	2.0					
9	02/12/2013	1.0					
10	05/14/2013	0.5					
11	08/06/2013	2.0					
12	11/21/2013	1.0					
13	02/25/2014	1.0					
14	11/04/2014	1.0					
15	05/19/2015	0.3					
16	11/03/2015	0.5					
17	05/05/2016	0.9					
18	11/09/2016	0.6					
19	01/25/2017	0.4					
20	05/05/2017	0.9					
21	11/07/2017	0.8					
22	02/14/2018	0.5					
23	06/11/2018	0.7					
24	08/21/2018	2.5					
25	11/07/2018	1.0					
26	02/05/2019	0.8					
27	05/09/2019	0.7					
28	08/28/2019	0.5					
29	11/06/2019	0.5					
30	02/03/2020	0.6					
31	04/29/2020	0.8					
32	07/27/2020	0.58					
33	11/03/2020	0.5					
34	02/04/2021	0.6					
35	05/12/2021	1.1					
36	08/10/2021	0.68					
37	11/10/2021	0.55					
38	02/23/2022	0.45					
39	5/11/2022	0.61					
40	08/24/2022	0.48					

Coefficient of Variation:	0.55
Mann-Kendall Statistic (S):	-293
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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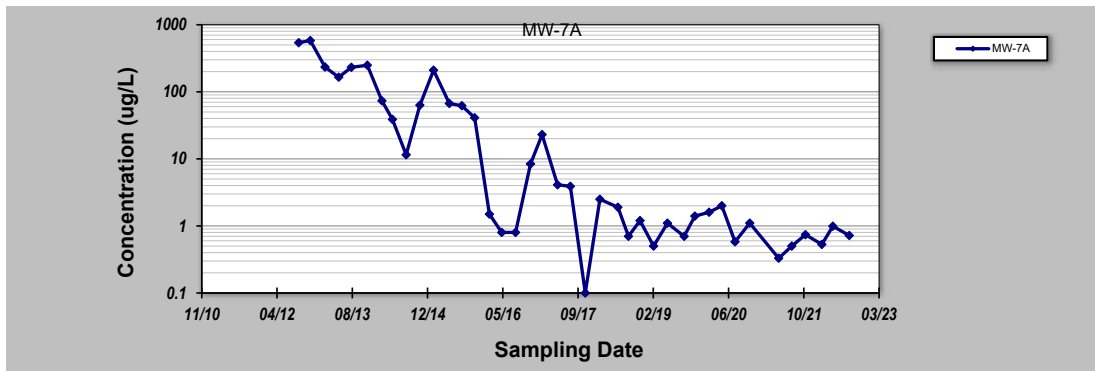
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-7A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/23/2012	540					
2	11/08/2012	581					
3	02/14/2013	234					
4	05/16/2013	165					
5	08/08/2013	232					
6	11/22/2013	249					
7	02/27/2014	73.4					
8	05/08/2014	38.8					
9	08/07/2014	11.5					
10	11/06/2014	63.2					
11	02/05/2015	210					
12	05/21/2015	67.0					
13	8/12/2015	62.0					
14	11/05/2015	41.0					
15	02/11/2016	1.5					
16	05/03/2016	0.8					
17	08/03/2016	0.8					
18	11/10/2016	8.4					
19	01/26/2017	23					
20	05/09/2017	4.1					
21	08/02/2017	3.9					
22	11/09/2017	0.1					
23	02/14/2018	2.5					
24	06/14/2018	1.9					
25	08/23/2018	0.7					
26	11/08/2018	1.2					
27	02/06/2019	0.5					
28	05/09/2019	1.1					
29	08/28/2019	0.7					
30	11/07/2019	1.4					
31	02/10/2020	1.6					
32	05/04/2020	2.0					
33	07/31/2020	0.6					
34	11/06/2020	1.1					
35	05/17/2021	0.33					
36	08/12/2021	0.50					
37	11/11/2021	0.74					
38	02/28/2022	0.53					
39	5/12/2022	0.99					
40	08/29/2022	0.72					

Coefficient of Variation:	2.07
Mann-Kendall Statistic (S):	-524
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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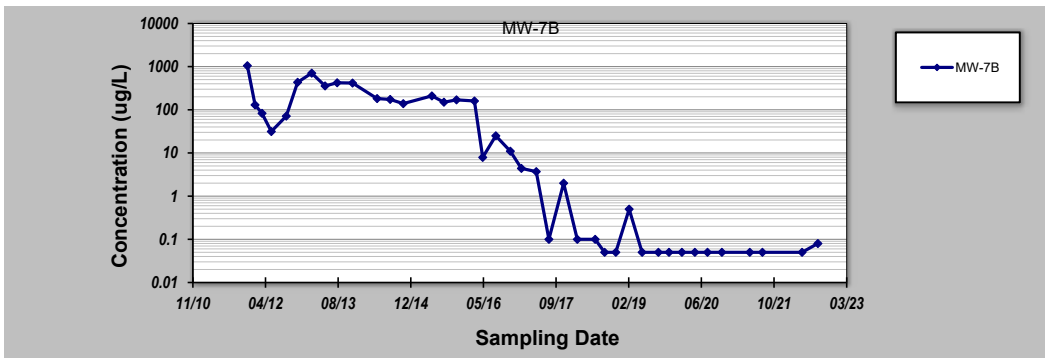
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 10/12/2022	Job ID: 0403421
Facility Name: GES	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Joanna Kalis	Concentration Units: ug/L

Sampling Point ID: **MW-7B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)							
1	11/28/2011	1050							
2	01/20/2012	130							
3	03/08/2012	82.8							
4	05/11/2012	31.4							
5	08/22/2012	71.4							
6	11/08/2012	434							
7	02/13/2013	706							
8	05/16/2013	357							
9	08/07/2013	423							
10	11/21/2013	417							
11	05/09/2014	182							
12	08/07/2014	174							
13	11/05/2014	139							
14	05/21/2015	210							
15	08/12/2015	150							
16	11/06/2015	170							
17	03/09/2016	160							
18	05/05/2016	7.9							
19	08/03/2016	25.0							
20	11/11/2016	11.0							
21	01/26/2017	4.4							
22	05/08/2017	3.7							
23	08/03/2017	0.10							
24	11/13/2017	2.0							
25	02/15/2018	0.10							
26	06/18/2018	0.10							
27	08/22/2018	0.05							
28	11/07/2018	0.05							
29	02/07/2019	0.50							
30	05/07/2019	0.05							
31	08/27/2019	0.05							
32	11/08/2019	0.05							
33	02/05/2020	0.05							
34	05/04/2020	0.05							
35	07/30/2020	0.05							
36	11/06/2020	0.05							
37	05/17/2021	0.05							
38	08/12/2021	0.05							
39	05/12/2022	0.05							
40	08/29/2022	0.08							

Coefficient of Variation:	1.78
Mann-Kendall Statistic (S):	-551
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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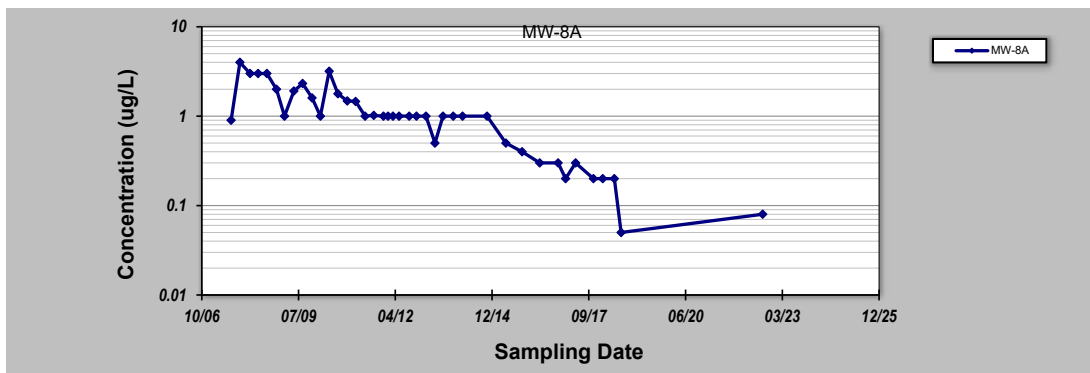
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-8A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/09/2007	0.9					
2	11/08/2007	4.0					
3	02/21/2008	3.0					
4	05/14/2008	3.0					
5	08/13/2008	3.0					
6	11/20/2008	2.0					
7	02/11/2009	1.0					
8	05/19/2009	1.9					
9	08/17/2009	2.3					
10	11/23/2009	1.6					
11	02/17/2010	1.0					
12	05/19/2010	3.2					
13	08/17/2010	1.8					
14	11/22/2010	1.5					
15	02/16/2011	1.5					
16	05/25/2011	1.0					
17	08/23/2011	1.0					
18	12/01/2011	1.0					
19	01/17/2012	1.0					
20	03/08/2012	1.0					
21	05/10/2012	1.0					
22	08/23/2012	1.0					
23	11/06/2012	1.0					
24	02/12/2013	1.0					
25	05/16/2013	0.5					
26	08/07/2013	1.0					
27	11/21/2013	1.0					
28	02/25/2014	1.0					
29	11/05/2014	1.0					
30	05/19/2015	0.5					
31	11/03/2015	0.4					
32	05/03/2016	0.3					
33	11/09/2016	0.3					
34	01/25/2017	0.2					
35	05/09/2017	0.3					
36	11/09/2017	0.2					
37	02/13/2018	0.2					
38	06/13/2018	0.2					
39	08/22/2018	0.05					
40	8/24/2022	0.08					

Coefficient of Variation:	0.78
Mann-Kendall Statistic (S):	-525
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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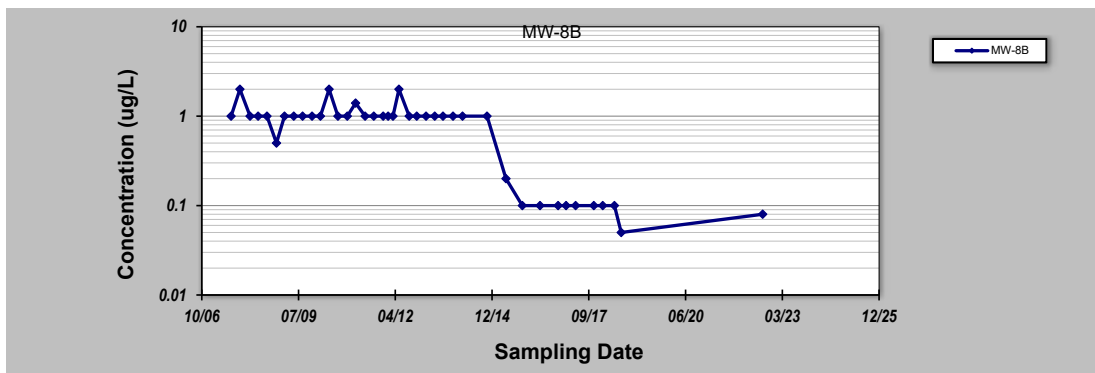
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-8B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/09/2007	1.0					
2	11/08/2007	2.0					
3	02/21/2008	1.0					
4	05/14/2008	1.0					
5	08/14/2008	1.0					
6	11/20/2008	0.5					
7	02/11/2009	1.0					
8	05/18/2009	1.0					
9	08/17/2009	1.0					
10	11/23/2009	1.0					
11	02/17/2010	1.0					
12	05/18/2010	2.0					
13	08/17/2010	1.0					
14	11/22/2010	1.0					
15	02/16/2011	1.4					
16	05/25/2011	1.0					
17	08/23/2011	1.0					
18	11/28/2011	1.0					
19	01/18/2012	1.0					
20	03/08/2012	1.0					
21	05/09/2012	2.0					
22	08/23/2012	1.0					
23	11/09/2012	1.0					
24	02/13/2013	1.0					
25	05/14/2013	1.0					
26	08/07/2013	1.0					
27	11/19/2013	1.0					
28	2/25/2014	1.0					
29	11/05/2014	1.0					
30	05/20/2015	0.2					
31	11/05/2015	0.1					
32	05/06/2016	0.1					
33	11/09/2016	0.1					
34	01/30/2017	0.1					
35	05/09/2017	0.1					
36	11/13/2017	0.1					
37	02/13/2018	0.1					
38	06/14/2018	0.1					
39	08/23/2018	0.05					
40	8/24/2022	0.08					

Coefficient of Variation:	0.62
Mann-Kendall Statistic (S):	-312
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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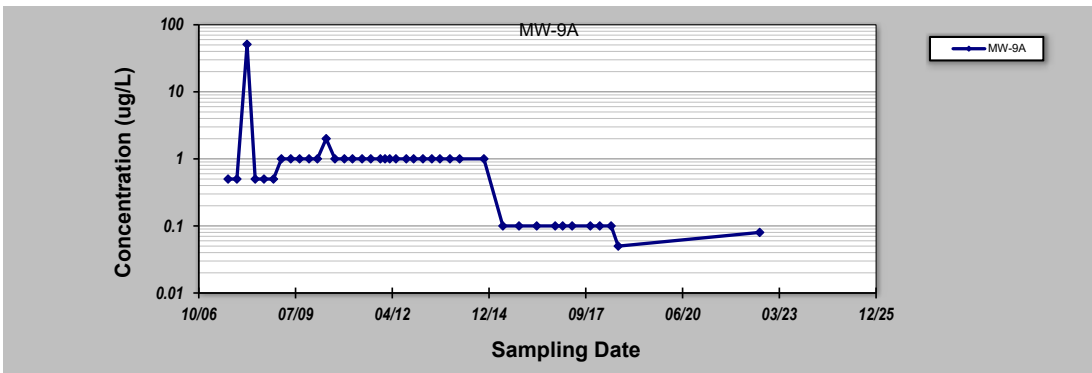
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-9A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/09/2007	0.5					
2	11/08/2007	0.5					
3	02/21/2008	51.0					
4	05/15/2008	0.5					
5	08/14/2008	0.5					
6	11/20/2008	0.5					
7	02/10/2009	1.0					
8	05/18/2009	1.0					
9	08/17/2009	1.0					
10	11/23/2009	1.0					
11	02/17/2010	1.0					
12	05/19/2010	2.0					
13	08/17/2010	1.0					
14	11/23/2010	1.0					
15	02/15/2011	1.0					
16	05/25/2011	1.0					
17	08/23/2011	1.0					
18	11/30/2011	1.0					
19	01/17/2012	1.0					
20	03/06/2012	1.0					
21	05/09/2012	1.0					
22	08/24/2012	1.0					
23	11/08/2012	1.0					
24	02/12/2013	1.0					
25	05/15/2013	1.0					
26	08/06/2013	1.0					
27	11/18/2013	1.0					
28	02/26/2014	1.0					
29	11/04/2014	1.0					
30	05/19/2015	0.1					
31	11/02/2015	0.1					
32	05/03/2016	0.1					
33	11/10/2016	0.1					
34	01/26/2017	0.1					
35	05/04/2017	0.1					
36	11/08/2017	0.1					
37	02/13/2018	0.1					
38	06/11/2018	0.1					
39	08/23/2018	0.05					
40	8/24/2022	0.08					

Coefficient of Variation:	4.01
Mann-Kendall Statistic (S):	-220
Confidence Factor:	99.6%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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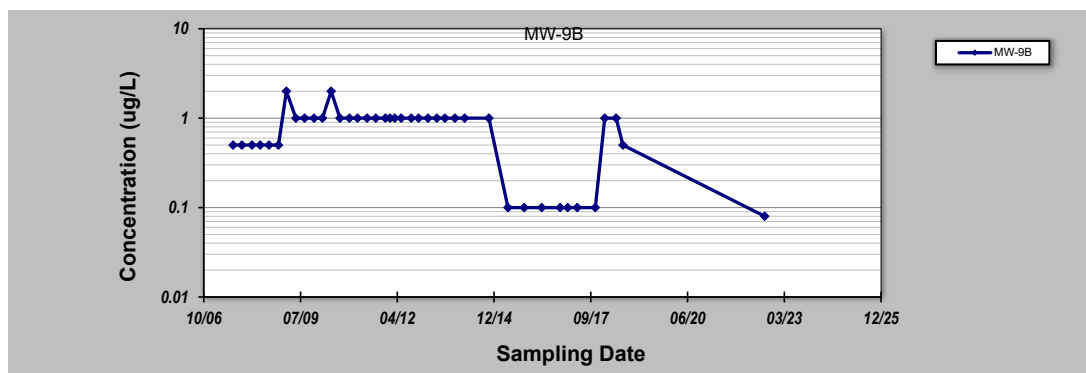
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-9B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/09/2007	0.5					
2	11/08/2007	0.5					
3	02/21/2008	0.5					
4	05/15/2008	0.5					
5	08/14/2008	0.5					
6	11/20/2008	0.5					
7	02/10/2009	2.0					
8	05/19/2009	1.0					
9	08/17/2009	1.0					
10	11/23/2009	1.0					
11	02/17/2010	1.0					
12	05/19/2010	2.0					
13	08/17/2010	1.0					
14	11/23/2010	1.0					
15	02/15/2011	1.0					
16	05/25/2011	1.0					
17	08/23/2011	1.0					
18	11/30/2011	1.0					
19	01/17/2012	1.0					
20	03/06/2012	1.0					
21	05/11/2012	1.0					
22	08/24/2012	1.0					
23	11/08/2012	1.0					
24	02/12/2013	1.0					
25	05/15/2013	1.0					
26	08/06/2013	1.0					
27	11/18/2013	1.0					
28	02/26/2014	1.0					
29	11/04/2014	1.0					
30	05/20/2015	0.1					
31	11/03/2015	0.1					
32	05/03/2016	0.1					
33	11/09/2016	0.1					
34	01/26/2017	0.1					
35	05/04/2017	0.1					
36	11/08/2017	0.1					
37	02/13/2018	1.0					
38	06/11/2018	1.0					
39	08/20/2018	0.5					
40	8/24/2022	0.08					

Coefficient of Variation:	0.57
Mann-Kendall Statistic (S):	-95
Confidence Factor:	87.1%
Concentration Trend:	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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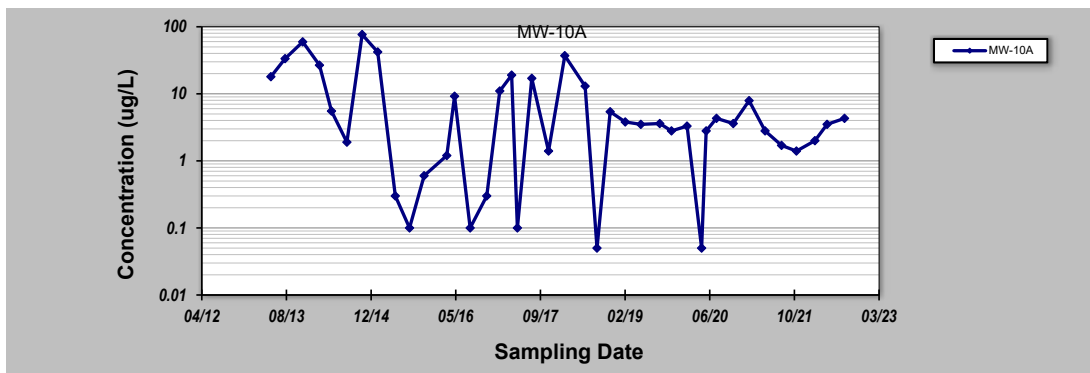
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-10A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	05/14/2013	18					
2	08/06/2013	33.4					
3	11/18/2013	59.5					
4	02/25/2014	26.7					
5	05/07/2014	5.53					
6	08/06/2014	1.9					
7	11/04/2014	76.5					
8	02/04/2015	42					
9	05/19/2015	0.3					
10	08/11/2015	0.1					
11	11/5/2015	0.6					
12	03/18/2016	1.2					
13	05/03/2016	9.2					
14	08/03/2016	0.1					
15	11/09/2016	0.3					
16	01/25/2017	11					
17	04/05/2017	19					
18	05/09/2017	0.1					
19	08/02/2017	17					
20	11/09/2017	1.4					
21	02/13/2018	37					
22	06/13/2018	13					
23	08/22/2018	0.05					
24	11/08/2018	5.4					
25	02/05/2019	3.8					
26	05/08/2019	3.5					
27	08/28/2019	3.6					
28	11/05/2019	2.8					
29	02/05/2020	3.3					
30	05/01/2020	0.05					
31	05/28/2020	2.8					
32	07/28/2020	4.3					
33	11/04/2020	3.6					
34	02/05/2021	7.9					
35	05/11/2021	2.8					
36	08/16/2021	1.7					
37	11/12/2021	1.4					
38	03/01/2022	2.0					
39	5/12/2022	3.5					
40	08/23/2022	4.3					

Coefficient of Variation:	1.58
Mann-Kendall Statistic (S):	-158
Confidence Factor:	96.6%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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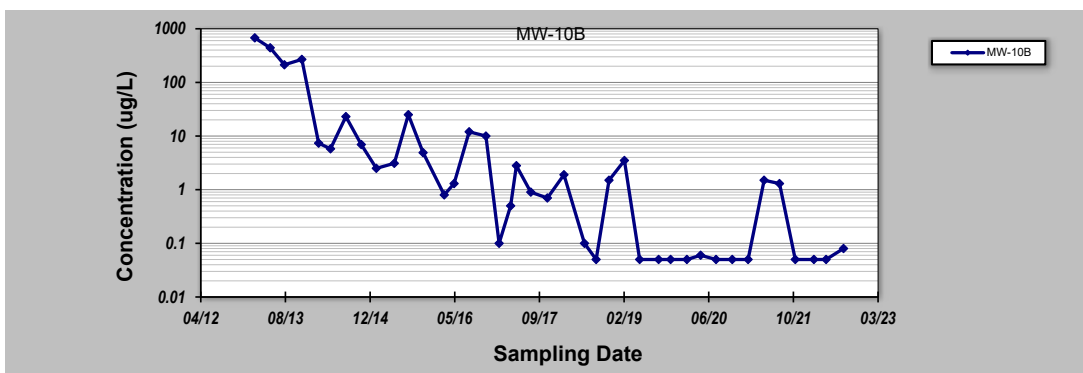
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-10B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	02/14/2013	676					
2	05/16/2013	441					
3	08/08/2013	213					
4	11/19/2013	268					
5	02/26/2014	7.37					
6	05/07/2014	5.78					
7	08/06/2014	23					
8	11/05/2014	6.94					
9	02/02/2015	2.5					
10	05/19/2015	3.1					
11	08/10/2015	25					
12	11/5/2015	4.9					
13	03/09/2016	0.8					
14	05/06/2016	1.3					
15	08/03/2016	12					
16	11/10/2016	10					
17	01/27/2017	0.1					
18	04/05/2017	0.5					
19	05/09/2017	2.8					
20	08/02/2017	0.9					
21	11/08/2017	0.7					
22	02/14/2018	1.9					
23	06/15/2018	0.1					
24	08/23/2018	0.05					
25	11/07/2018	1.5					
26	02/06/2019	3.5					
27	05/07/2019	0.05					
28	08/27/2019	0.05					
29	11/06/2019	0.05					
30	02/10/2020	0.05					
31	05/01/2020	0.06					
32	07/31/2020	0.05					
33	11/04/2020	0.05					
34	02/05/2021	0.05					
35	05/11/2021	1.5					
36	08/10/2021	1.3					
37	11/11/2021	0.05					
38	03/01/2022	0.05					
39	5/12/2022	0.05					
40	08/23/2022	0.08					

Coefficient of Variation:	3.12
Mann-Kendall Statistic (S):	-490
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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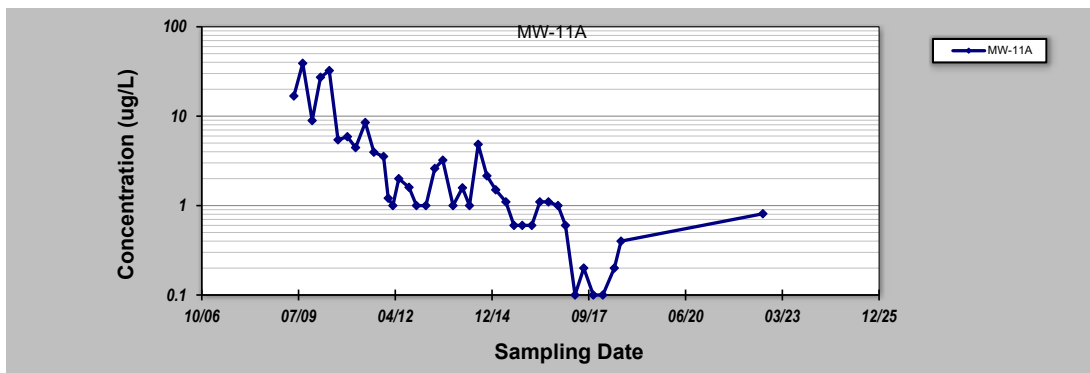
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-11A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	05/19/2009	16.8					
2	08/18/2009	39.0					
3	11/24/2009	8.93					
4	02/18/2010	27.2					
5	05/20/2010	32.3					
6	08/18/2010	5.44					
7	11/23/2010	5.9					
8	02/16/2011	4.5					
9	05/27/2011	8.5					
10	08/24/2011	3.95					
11	12/02/2011	3.54					
12	01/19/2012	1.21					
13	03/07/2012	1.0					
14	05/07/2012	2.0					
15	08/21/2012	1.6					
16	11/06/2012	1.0					
17	02/11/2013	1.0					
18	05/14/2013	2.6					
19	08/05/2013	3.22					
20	11/19/2013	1.0					
21	02/24/2014	1.58					
22	05/08/2014	1.0					
23	08/06/2014	4.84					
24	11/04/2014	2.15					
25	02/03/2015	1.5					
26	05/19/2015	1.1					
27	8/11/2015	0.6					
28	11/04/2015	0.6					
29	02/11/2016	0.6					
30	05/04/2016	1.1					
31	08/01/2016	1.1					
32	11/08/2016	1.0					
33	01/24/2017	0.6					
34	05/03/2017	0.1					
35	08/01/2017	0.2					
36	11/08/2017	0.1					
37	02/14/2018	0.1					
38	06/13/2018	0.2					
39	08/21/2018	0.4					
40	8/26/2022	0.81					

Coefficient of Variation:	1.83
Mann-Kendall Statistic (S):	-525
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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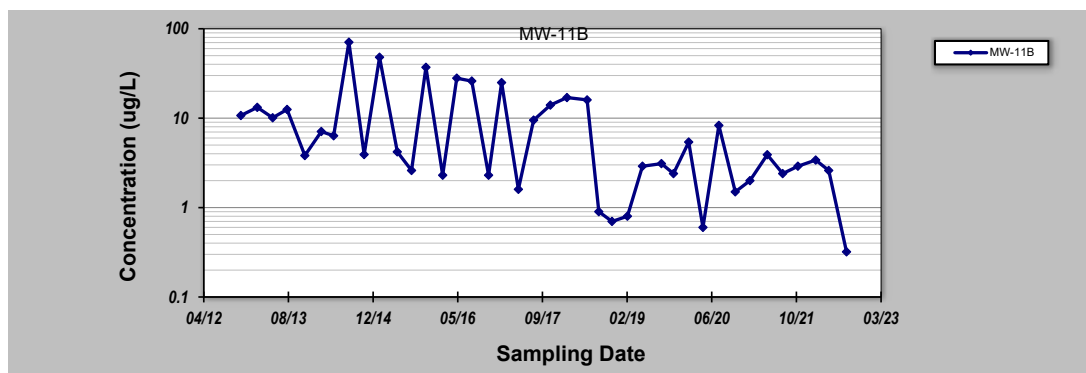
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-11B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/06/2012	10.7					
2	02/11/2013	13.2					
3	05/13/2013	10.1					
4	08/06/2013	12.5					
5	11/19/2013	3.82					
6	02/24/2014	7.09					
7	05/08/2014	6.35					
8	08/06/2014	70.7					
9	11/04/2014	3.92					
10	02/03/2015	48					
11	05/19/2015	4.2					
12	8/11/2015	2.6					
13	11/04/2015	37					
14	02/11/2016	2.3					
15	05/04/2016	28					
16	08/01/2016	26					
17	11/08/2016	2.3					
18	01/24/2017	25					
19	05/03/2017	1.6					
20	08/01/2017	9.5					
21	11/08/2017	14					
22	02/14/2018	17					
23	06/13/2018	16					
24	08/21/2018	0.9					
25	11/07/2018	0.7					
26	02/06/2019	0.8					
27	05/06/2019	2.9					
28	08/26/2019	3.1					
29	11/05/2019	2.4					
30	02/03/2020	5.4					
31	04/27/2020	0.6					
32	07/30/2020	8.3					
33	11/04/2020	1.5					
34	01/29/2021	2.0					
35	05/12/2021	3.9					
36	08/11/2021	2.4					
37	11/09/2021	2.9					
38	02/22/2022	3.4					
39	5/10/2022	2.6					
40	08/23/2022	0.32					

Coefficient of Variation:	1.39
Mann-Kendall Statistic (S):	-290
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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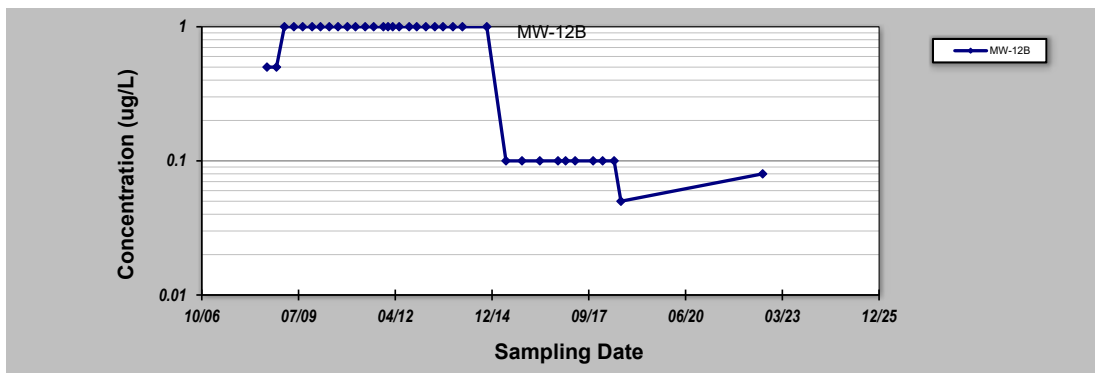
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-12B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/14/2008	0.5					
2	11/20/2008	0.5					
3	02/10/2009	1.0					
4	05/19/2009	1.0					
5	08/18/2009	1.0					
6	11/24/2009	1.0					
7	02/18/2010	1.0					
8	05/20/2010	1.0					
9	08/18/2010	1.0					
10	11/23/2010	1.0					
11	02/15/2011	1.0					
12	05/26/2011	1.0					
13	08/22/2011	1.0					
14	11/30/2011	1.0					
15	01/17/2012	1.0					
16	03/06/2012	1.0					
17	05/11/2012	1.0					
18	08/23/2012	1.0					
19	11/09/2012	1.0					
20	02/11/2013	1.0					
21	05/15/2013	1.0					
22	08/07/2013	1.0					
23	11/18/2013	1.0					
24	02/24/2014	1.0					
25	11/03/2014	1.0					
26	05/20/2015	0.1					
27	11/02/2015	0.1					
28	05/04/2016	0.1					
29	11/8/2016	0.1					
30	01/25/2017	0.1					
31	05/04/2017	0.1					
32	11/06/2017	0.1					
33	02/12/2018	0.1					
34	06/11/2018	0.1					
35	08/20/2018	0.05					
36	08/24/2022	0.08					
37							
38							
39							
40							

Coefficient of Variation:	0.61
Mann-Kendall Statistic (S):	-246
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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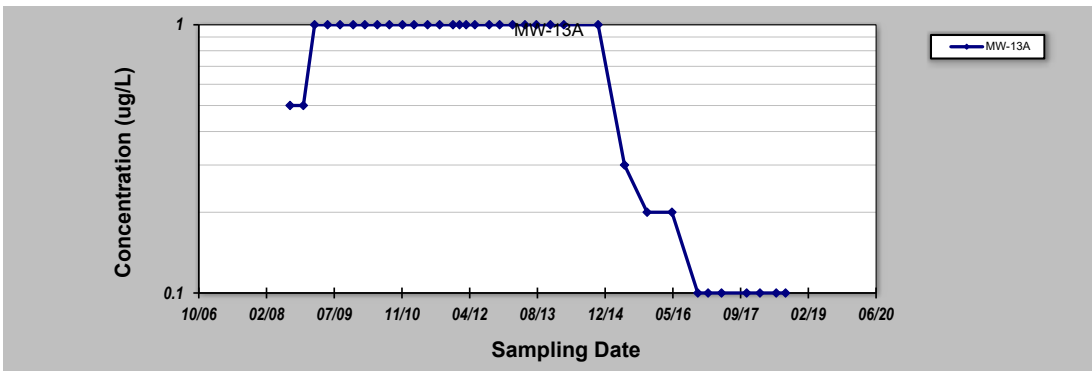
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 17-May-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-13A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/14/2008	0.5					
2	11/20/2008	0.5					
3	02/11/2009	1.0					
4	05/18/2009	1.0					
5	08/18/2009	1.0					
6	11/23/2009	1.0					
7	02/17/2010	1.0					
8	05/20/2010	1.0					
9	08/17/2010	1.0					
10	11/22/2010	1.0					
11	02/15/2011	1.0					
12	05/26/2011	1.0					
13	08/23/2011	1.0					
14	11/30/2011	1.0					
15	01/17/2012	1.0					
16	03/06/2012	1.0					
17	05/09/2012	1.0					
18	08/23/2012	1.0					
19	11/08/2012	1.0					
20	02/12/2013	1.0					
21	05/14/2013	1.0					
22	08/06/2013	1.0					
23	11/18/2013	1.0					
24	02/25/2014	1.0					
25	11/05/2014	1.0					
26	05/19/2015	0.3					
27	11/02/2015	0.2					
28	05/03/2016	0.2					
29	11/10/2016	0.1					
30	01/25/2017	0.1					
31	05/04/2017	0.1					
32	11/06/2017	0.1					
33	02/12/2018	0.1					
34	06/12/2018	0.1					
35	08/20/2018	0.1					
36							
37							
38							
39							
40							

Coefficient of Variation:	0.54
Mann-Kendall Statistic (S):	-227
Confidence Factor:	99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

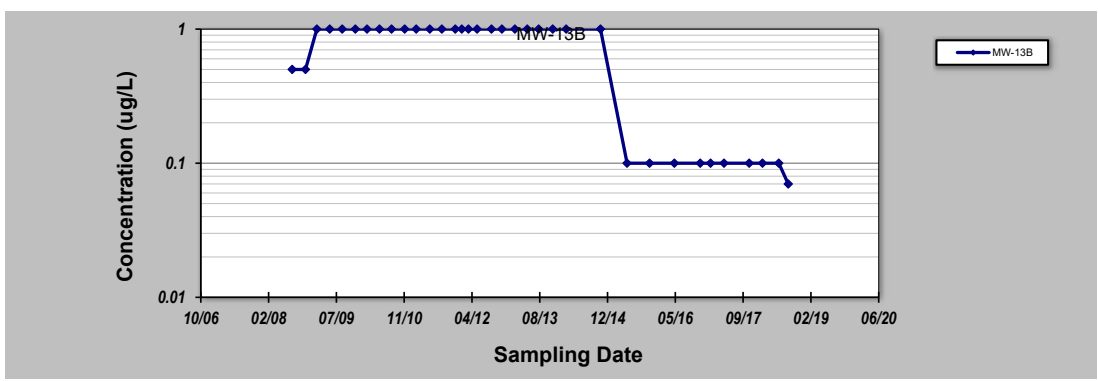
for Constituent Trend Analysis

Evaluation Date: 17-May-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-13B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/14/2008	0.5					
2	11/20/2008	0.5					
3	02/12/2009	1.0					
4	05/18/2009	1.0					
5	08/18/2009	1.0					
6	11/23/2009	1.0					
7	02/17/2010	1.0					
8	05/20/2010	1.0					
9	08/17/2010	1.0					
10	11/22/2010	1.0					
11	02/15/2011	1.0					
12	05/26/2011	1.0					
13	08/23/2011	1.0					
14	11/30/2011	1.0					
15	01/17/2012	1.0					
16	03/06/2012	1.0					
17	05/09/2012	1.0					
18	08/23/2012	1.0					
19	11/08/2012	1.0					
20	02/12/2013	1.0					
21	05/14/2013	1.0					
22	08/06/2013	1.0					
23	11/18/2013	1.0					
24	02/25/2014	1.0					
25	11/05/2014	1.0					
26	05/20/2015	0.1					
27	11/02/2015	0.1					
28	05/03/2016	0.1					
29	11/10/2016	0.1					
30	01/25/2017	0.1					
31	05/04/2017	0.1					
32	11/06/2017	0.1					
33	02/12/2018	0.1					
34	06/12/2018	0.1					
35	08/21/2018	0.07					
36							
37							
38							
39							
40							

Coefficient of Variation:	0.58
Mann-Kendall Statistic (S):	-213
Confidence Factor:	99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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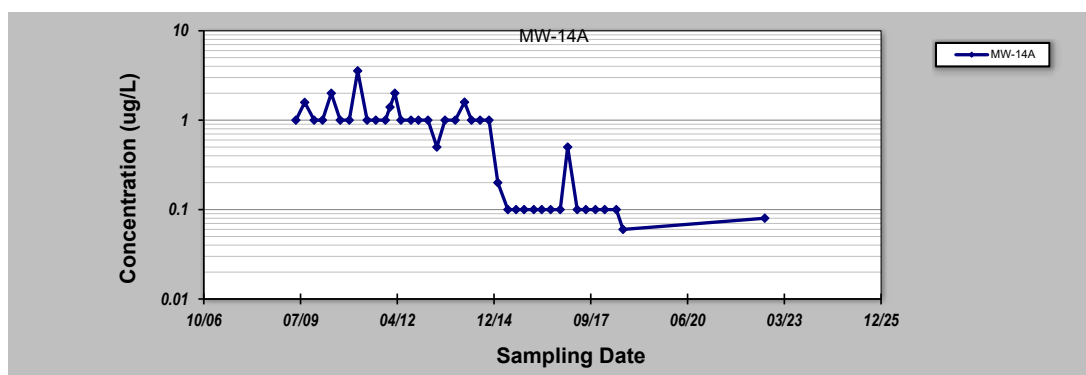
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-14A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	05/19/2009	1.0					
2	08/18/2009	1.58					
3	11/24/2009	1.0					
4	02/18/2010	1.0					
5	05/20/2010	2.0					
6	08/20/2010	1.0					
7	11/22/2010	1.0					
8	02/17/2011	3.6					
9	05/25/2011	1.0					
10	08/23/2011	1.0					
11	11/30/2011	1.0					
12	01/17/2012	1.4					
13	03/07/2012	2.0					
14	05/09/2012	1.0					
15	08/21/2012	1.0					
16	11/06/2012	1.0					
17	02/12/2013	1.0					
18	05/15/2013	0.5					
19	08/07/2013	1.0					
20	11/21/2013	1.0					
21	02/25/2014	1.59					
22	05/08/2014	1.0					
23	08/05/2014	1.0					
24	11/05/2014	1.0					
25	02/04/2015	0.2					
26	05/19/2015	0.1					
27	8/12/2015	0.1					
28	11/03/2015	0.1					
29	02/11/2016	0.1					
30	05/03/2016	0.1					
31	08/03/2016	0.1					
32	11/10/2016	0.1					
33	01/26/2017	0.5					
34	05/05/2017	0.1					
35	08/02/2017	0.1					
36	11/09/2017	0.1					
37	02/13/2018	0.1					
38	06/13/2018	0.1					
39	08/21/2018	0.06					
40	8/25/2022	0.08					

Coefficient of Variation:	0.89
Mann-Kendall Statistic (S):	-417
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

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2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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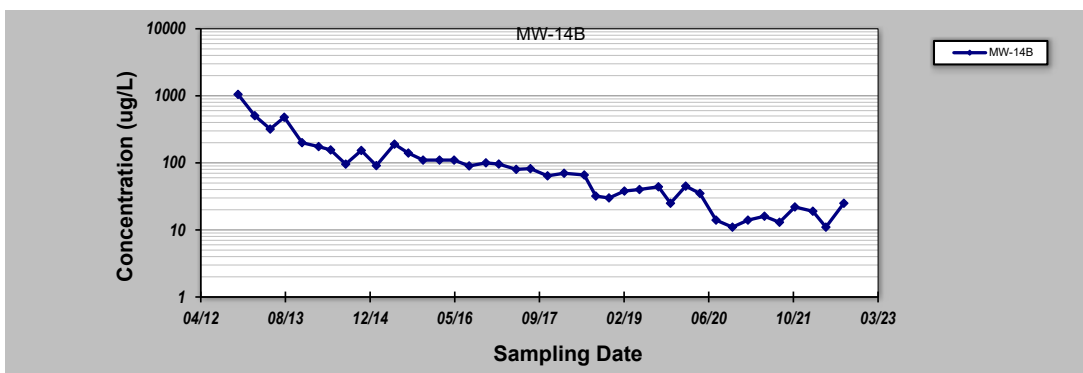
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-14B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/07/2012	1050					
2	02/14/2013	505					
3	05/16/2013	319					
4	08/07/2013	479					
5	11/20/2013	200					
6	02/26/2014	175					
7	05/08/2014	156					
8	08/05/2014	95.7					
9	11/05/2014	153					
10	02/02/2015	91					
11	05/20/2015	190					
12	8/10/2015	140					
13	11/05/2015	110					
14	02/10/2016	110					
15	05/06/2016	110					
16	08/03/2016	90					
17	11/10/2016	100					
18	01/25/2017	96					
19	05/08/2017	80					
20	07/31/2017	82					
21	11/09/2017	64					
22	02/15/2018	70					
23	06/14/2018	66					
24	08/21/2018	32					
25	11/07/2018	30					
26	02/06/2019	38					
27	05/06/2019	40					
28	08/26/2019	44					
29	11/05/2019	25					
30	02/03/2020	45					
31	04/27/2020	35					
32	07/31/2020	14					
33	11/05/2020	11					
34	02/04/2021	14					
35	05/13/2021	16					
36	08/10/2021	13					
37	11/09/2021	22					
38	02/23/2022	19					
39	5/11/2022	11					
40	08/25/2022	25					

Coefficient of Variation:	1.51
Mann-Kendall Statistic (S):	-644
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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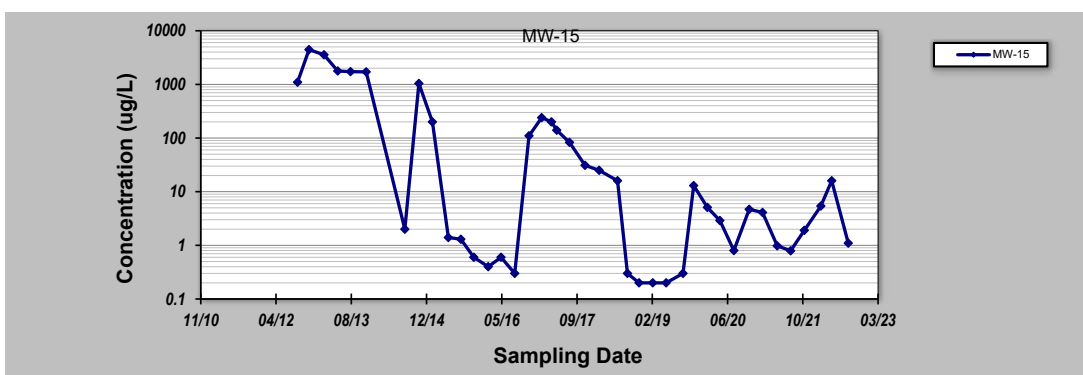
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-15**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/22/2012	1,100					
2	11/06/2012	4,450					
3	02/14/2013	3,560					
4	05/16/2013	1,780					
5	08/09/2013	1,730					
6	11/21/2013	1,710					
7	08/05/2014	2.0					
8	11/06/2014	1,040					
9	02/04/2015	200					
10	05/21/2015	1.4					
11	08/12/2015	1.3					
12	11/06/2015	0.6					
13	02/10/2016	0.4					
14	05/05/2016	0.6					
15	08/04/2016	0.3					
16	11/07/2016	110					
17	01/30/2017	240					
18	04/05/2017	200					
19	5/10/2017	140					
20	08/03/2017	83					
21	11/14/2017	31					
22	02/16/2018	25					
23	06/18/2018	16					
24	08/23/2018	0.3					
25	11/08/2018	0.2					
26	02/07/2019	0.2					
27	05/07/2019	0.2					
28	08/27/2019	0.3					
29	11/06/2019	13					
30	02/05/2020	5.1					
31	04/28/2020	2.9					
32	07/30/2020	0.8					
33	11/09/2020	4.7					
34	02/05/2021	4.1					
35	05/14/2021	0.98					
36	08/11/2021	0.79					
37	11/10/2021	1.9					
38	02/28/2022	5.4					
39	5/11/2022	16					
40	08/29/2022	1.1					

Coefficient of Variation:	2.37
Mann-Kendall Statistic (S):	-309
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

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2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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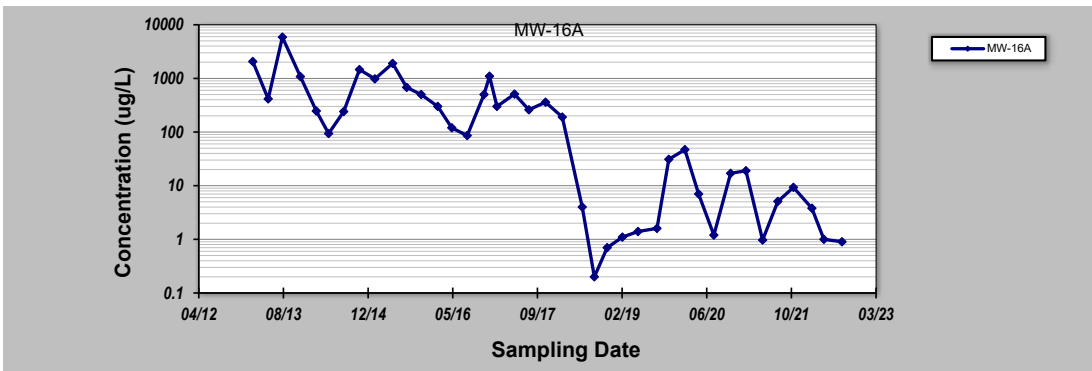
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-16A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	02/14/2013	2,060					
2	05/16/2013	415					
3	08/08/2013	5860					
4	11/22/2013	1,080					
5	02/24/2014	247					
6	05/08/2014	94					
7	08/05/2014	241					
8	11/06/2014	1460					
9	02/05/2015	980					
10	05/21/2015	1900					
11	08/12/2015	680					
12	11/05/2015	500					
13	2/11/2016	300					
14	05/04/2016	120					
15	08/03/2016	86					
16	11/10/2016	500					
17	12/13/2016	1100					
18	01/26/2017	300					
19	05/09/2017	510					
20	08/02/2017	260					
21	11/09/2017	360					
22	02/16/2018	190					
23	06/14/2018	4.0					
24	08/24/2018	0.2					
25	11/08/2018	0.7					
26	02/06/2019	1.1					
27	5/9/2019	1.4					
28	08/29/2019	1.6					
29	11/07/2019	31					
30	02/10/2020	47					
31	05/01/2020	7.0					
32	07/30/2020	1.2					
33	11/06/2020	17					
34	02/04/2021	19					
35	05/14/2021	0.97					
36	08/12/2021	5.1					
37	11/12/2021	9.3					
38	03/01/2022	3.8					
39	5/11/2022	1.0					
40	08/26/2022	0.90					

Coefficient of Variation:	2.09
Mann-Kendall Statistic (S):	-452
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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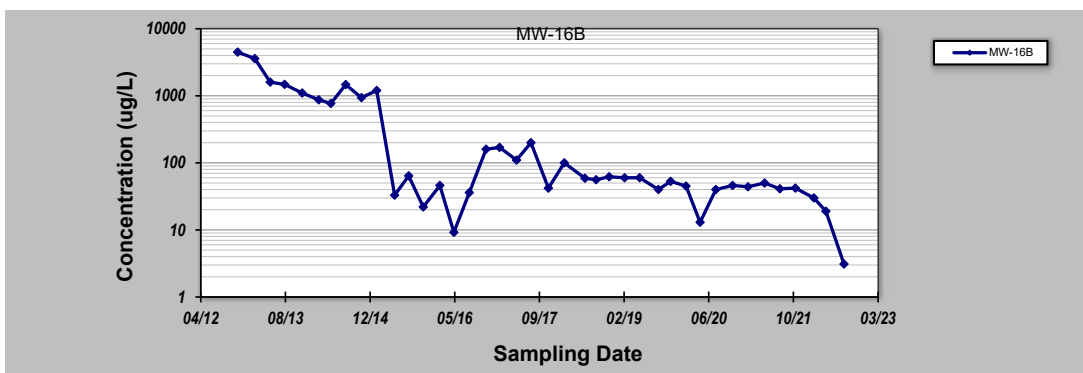
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-16B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/05/2012	4,480					
2	02/14/2013	3,590					
3	05/16/2013	1,600					
4	08/09/2013	1,480					
5	11/21/2013	1,100					
6	02/27/2014	871					
7	05/09/2014	768					
8	08/05/2014	1,470					
9	11/06/2014	939					
10	02/04/2015	1,200					
11	05/21/2015	33					
12	08/12/2015	64					
13	11/06/2015	22					
14	02/12/2016	46					
15	05/05/2016	9.2					
16	08/04/2016	36					
17	11/11/2016	160					
18	1/30/2017	170					
19	05/10/2017	110					
20	08/03/2017	200					
21	11/14/2017	42					
22	02/16/2018	100					
23	06/18/2018	59					
24	08/23/2018	56					
25	11/08/2018	62					
26	02/07/2019	60					
27	05/07/2019	60					
28	08/26/2019	40					
29	11/06/2019	53					
30	02/05/2020	45					
31	04/28/2020	13					
32	07/30/2020	40					
33	11/06/2020	46					
34	02/04/2021	44					
35	05/14/2021	50					
36	08/12/2021	41					
37	11/12/2021	42					
38	03/01/2022	30					
39	5/11/2022	19					
40	08/26/2022	3.1					

Coefficient of Variation:	1.99
Mann-Kendall Statistic (S):	-452
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

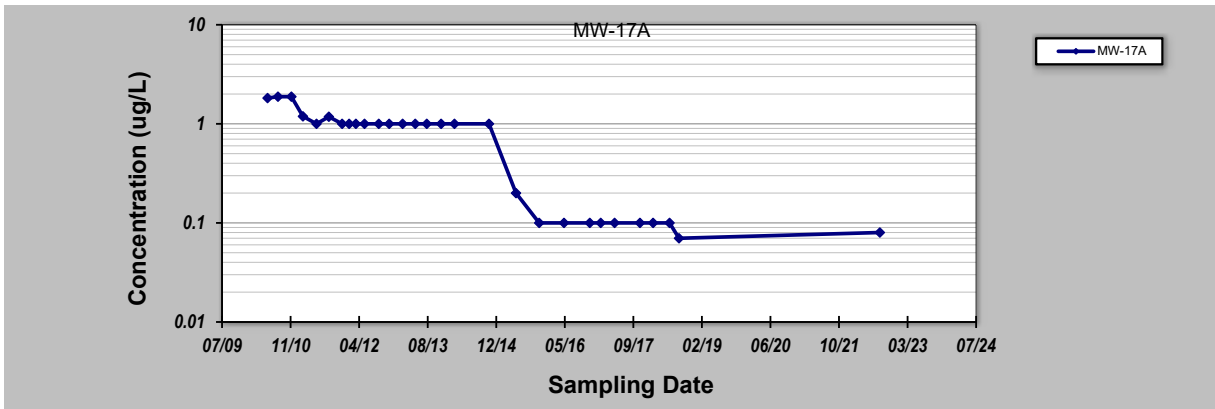
for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-17A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	06/03/2010	1.8					
2	08/18/2010	1.9					
3	11/24/2010	1.9					
4	02/16/2011	1.2					
5	05/26/2011	1.0					
6	08/24/2011	1.2					
7	11/29/2011	1.0					
8	01/19/2012	1.0					
9	03/08/2012	1.0					
10	05/10/2012	1.0					
11	08/22/2012	1.0					
12	11/06/2012	1.0					
13	02/12/2013	1.0					
14	05/15/2013	1.0					
15	08/07/2013	1.0					
16	11/20/2013	1.0					
17	02/25/2014	1.0					
18	11/04/2014	1.0					
19	05/20/2015	0.2					
20	11/05/2015	0.1					
21	05/04/2016	0.1					
22	11/08/2016	0.1					
23	01/27/2017	0.1					
24	05/08/2017	0.1					
25	11/09/2017	0.1					
26	02/13/2018	0.1					
27	06/13/2018	0.1					
28	08/21/2018	0.07					
29	8/25/2022	0.08					
30							

Coefficient of Variation:	0.76
Mann-Kendall Statistic (S):	-291
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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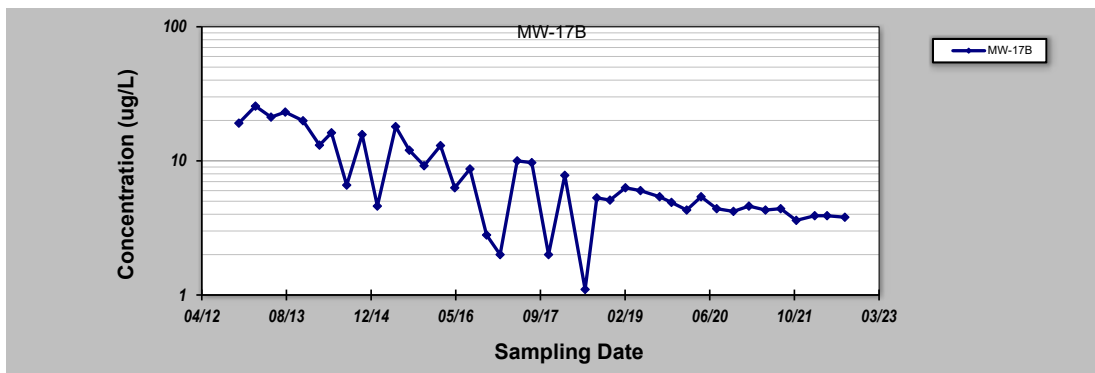
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-17B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/06/2012	19					
2	02/12/2013	26					
3	05/15/2013	21					
4	08/07/2013	23					
5	11/20/2013	20					
6	02/25/2014	13					
7	05/07/2014	16					
8	08/05/2014	6.6					
9	11/04/2014	15.7					
10	02/02/2015	4.6					
11	05/21/2015	18.0					
12	08/10/2015	12					
13	11/05/2015	9.2					
14	02/10/2016	13					
15	05/04/2016	6.3					
16	08/02/2016	8.7					
17	11/08/2016	2.8					
18	1/27/2017	2.0					
19	05/08/2017	10					
20	08/02/2017	9.7					
21	11/09/2017	2.0					
22	02/13/2018	7.8					
23	06/13/2018	1.1					
24	08/21/2018	5.3					
25	11/07/2018	5.1					
26	02/06/2019	6.3					
27	05/06/2019	6.0					
28	08/27/2019	5.4					
29	11/05/2019	4.9					
30	02/03/2020	4.3					
31	04/28/2020	5.4					
32	07/29/2020	4.4					
33	11/05/2020	4.2					
34	02/04/2021	4.6					
35	05/13/2021	4.3					
36	08/11/2021	4.4					
37	11/11/2021	3.6					
38	02/28/2022	3.9					
39	5/12/2022	3.9					
40	08/25/2022	3.8					

Coefficient of Variation:	0.74
Mann-Kendall Statistic (S):	-491
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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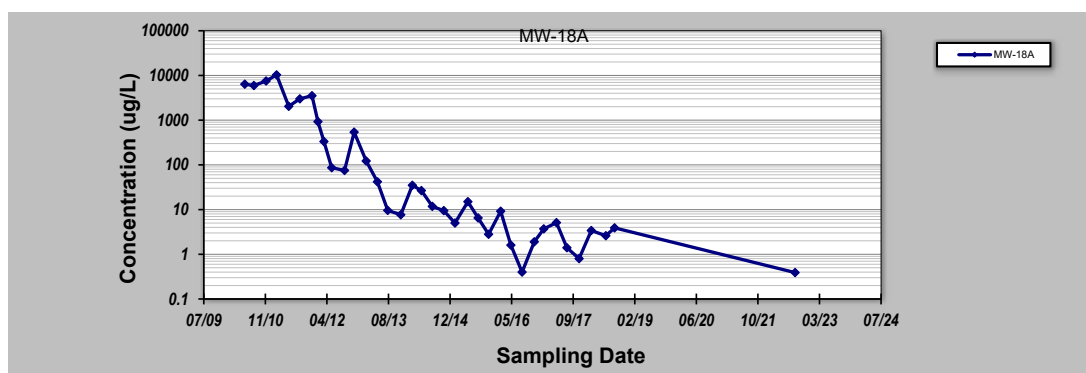
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-18A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	06/04/2010	6,370					
2	08/17/2010	5,950					
3	11/24/2010	7,520					
4	02/17/2011	10,300					
5	05/27/2011	2,040					
6	08/25/2011	3,000					
7	12/02/2011	3,520					
8	01/19/2012	925					
9	03/08/2012	333					
10	05/10/2012	86.3					
11	08/22/2012	75					
12	11/08/2012	539					
13	02/14/2013	122					
14	05/16/2013	41.8					
15	08/08/2013	9.58					
16	11/22/2013	7.66					
17	02/24/2014	34.9					
18	05/08/2014	26.6					
19	08/05/2014	11.8					
20	11/06/2014	9.46					
21	02/05/2015	5.0					
22	05/21/2015	15.0					
23	08/12/2015	6.5					
24	11/05/2015	2.8					
25	02/11/2016	9.2					
26	05/04/2016	1.6					
27	08/03/2016	0.4					
28	11/10/2016	1.9					
29	1/26/2017	3.7					
30	05/09/2017	5.1					
31	08/02/2017	1.4					
32	11/09/2017	0.8					
33	02/16/2018	3.4					
34	06/14/2018	2.6					
35	08/24/2018	3.9					
36	08/29/2022	0.39					
37							
38							
39							
40							

Coefficient of Variation:	2.20
Mann-Kendall Statistic (S):	-502
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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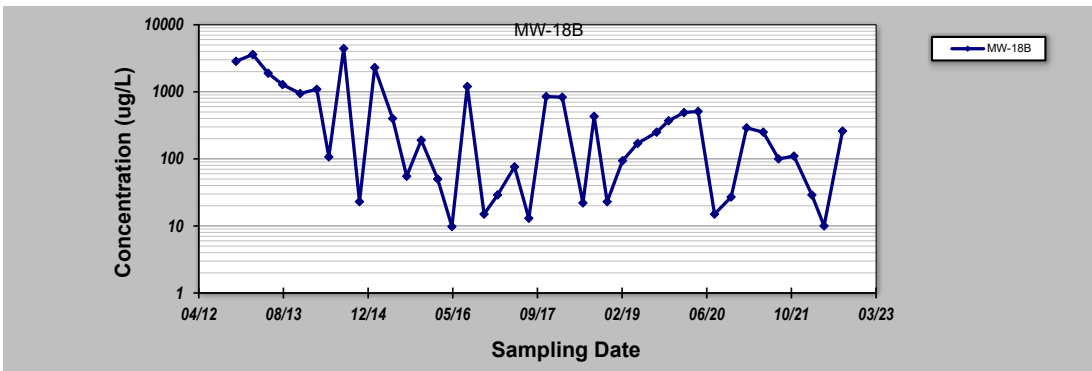
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-18B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/07/2012	2,850					
2	02/14/2013	3,600					
3	05/16/2013	1,890					
4	08/09/2013	1,280					
5	11/21/2013	943					
6	02/27/2014	1,090					
7	05/09/2014	107					
8	08/05/2014	4,420					
9	11/06/2014	23					
10	02/04/2015	2,300					
11	05/21/2015	400					
12	08/12/2015	55					
13	11/06/2015	190					
14	02/11/2016	50					
15	05/05/2016	9.8					
16	08/04/2016	1,200					
17	11/11/2016	15					
18	1/30/2017	29					
19	05/10/2017	76					
20	08/02/2017	13					
21	11/13/2017	850					
22	02/16/2018	830					
23	06/18/2018	22					
24	08/23/2018	430					
25	11/08/2018	23					
26	02/07/2019	94					
27	05/07/2019	170					
28	08/27/2019	250					
29	11/06/2019	370					
30	02/05/2020	490					
31	04/28/2020	510					
32	08/03/2020	15					
33	11/09/2020	27					
34	02/08/2021	290					
35	05/18/2021	250					
36	08/16/2021	100					
37	11/15/2021	110					
38	03/01/2022	29					
39	5/12/2022	10					
40	08/29/2022	260					

Coefficient of Variation:	1.60
Mann-Kendall Statistic (S):	-232
Confidence Factor:	99.7%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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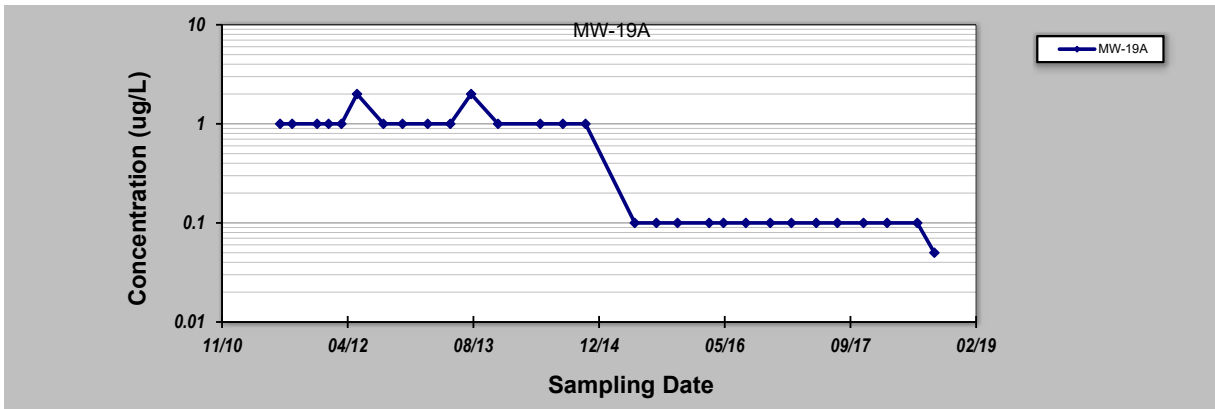
for Constituent Trend Analysis

Evaluation Date: 17-May-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-19A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	07/07/2011	1.0					
2	8/24/2011	1.0					
3	12/01/2011	1.0					
4	01/16/2012	1.0					
5	03/07/2012	1.0					
6	05/08/2012	2.0					
7	08/21/2012	1.0					
8	11/05/2012	1.0					
9	02/13/2013	1.0					
10	05/14/2013	1.0					
11	08/05/2013	2.0					
12	11/20/2013	1.0					
13	05/07/2014	1.0					
14	08/05/2014	1.0					
15	11/03/2014	1.0					
16	05/18/2015	0.1					
17	08/12/2015	0.1					
18	11/04/2015	0.1					
19	03/09/2016	0.1					
20	05/05/2016	0.1					
21	08/02/2016	0.1					
22	11/07/2016	0.1					
23	01/30/2017	0.1					
24	05/09/2017	0.1					
25	08/01/2017	0.1					
26	11/13/2017	0.1					
27	02/15/2018	0.1					
28	06/15/2018	0.1					
29	8/22/2018	0.05					
30							

Coefficient of Variation:	0.92
Mann-Kendall Statistic (S):	-221
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

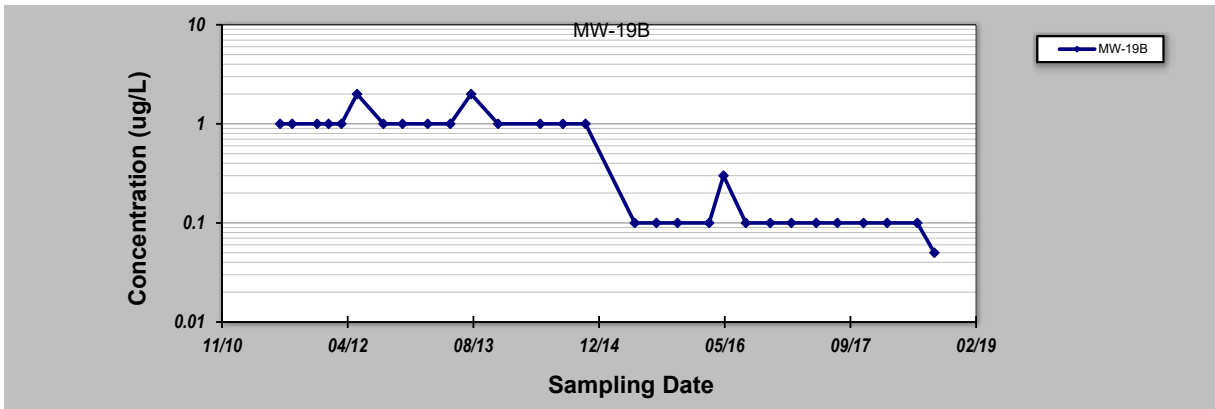
for Constituent Trend Analysis

Evaluation Date: 17-May-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-19B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	07/07/2011	1.0					
2	8/24/2011	1.0					
3	12/01/2011	1.0					
4	01/16/2012	1.0					
5	03/07/2012	1.0					
6	05/08/2012	2.0					
7	08/21/2012	1.0					
8	11/05/2012	1.0					
9	02/13/2013	1.0					
10	05/14/2013	1.0					
11	08/05/2013	2.0					
12	11/20/2013	1.0					
13	05/07/2014	1.0					
14	08/05/2014	1.0					
15	11/03/2014	1.0					
16	05/18/2015	0.1					
17	08/12/2015	0.1					
18	11/04/2015	0.1					
19	03/09/2016	0.1					
20	05/05/2016	0.3					
21	08/02/2016	0.1					
22	11/07/2016	0.1					
23	01/30/2017	0.1					
24	05/09/2017	0.1					
25	08/01/2017	0.1					
26	11/13/2017	0.1					
27	02/15/2018	0.1					
28	06/15/2018	0.1					
29	8/22/2018	0.05					
30							

Coefficient of Variation:	0.90
Mann-Kendall Statistic (S):	-225
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

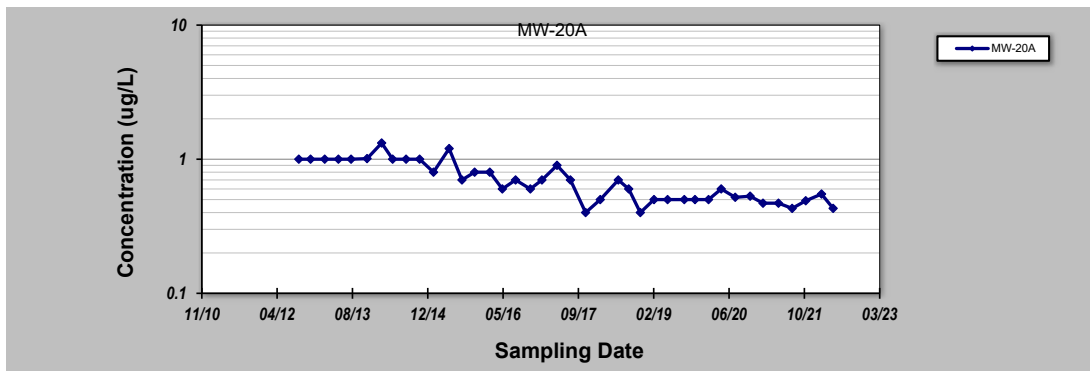
for Constituent Trend Analysis

Evaluation Date: 17-May-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-20A**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/23/2012	1.0					
2	11/09/2012	1.0					
3	02/11/2013	1.0					
4	05/13/2013	1.0					
5	08/05/2013	1.0					
6	11/19/2013	1.0					
7	02/24/2014	1.3					
8	05/08/2014	1.0					
9	08/05/2014	1.0					
10	11/03/2014	1.0					
11	02/03/2015	0.8					
12	05/18/2015	1.2					
13	08/11/2015	0.7					
14	11/03/2015	0.8					
15	02/12/2016	0.8					
16	05/05/2016	0.6					
17	08/01/2016	0.7					
18	11/07/2016	0.6					
19	01/23/2017	0.7					
20	05/03/2017	0.9					
21	07/31/2017	0.7					
22	11/09/2017	0.4					
23	2/14/2018	0.5					
24	06/14/2018	0.7					
25	08/22/2018	0.6					
26	11/07/2018	0.4					
27	02/06/2019	0.5					
28	05/07/2019	0.5					
29	08/26/2019	0.5					
30	11/05/2019	0.5					
31	02/03/2020	0.5					
32	04/27/2020	0.6					
33	07/29/2020	0.52					
34	11/05/2020	0.53					
35	01/29/2021	0.47					
36	05/12/2021	0.47					
37	08/11/2021	0.43					
38	11/09/2021	0.49					
39	02/22/2022	0.55					
40	05/10/2022	0.43					

Coefficient of Variation:	0.35
Mann-Kendall Statistic (S):	-505
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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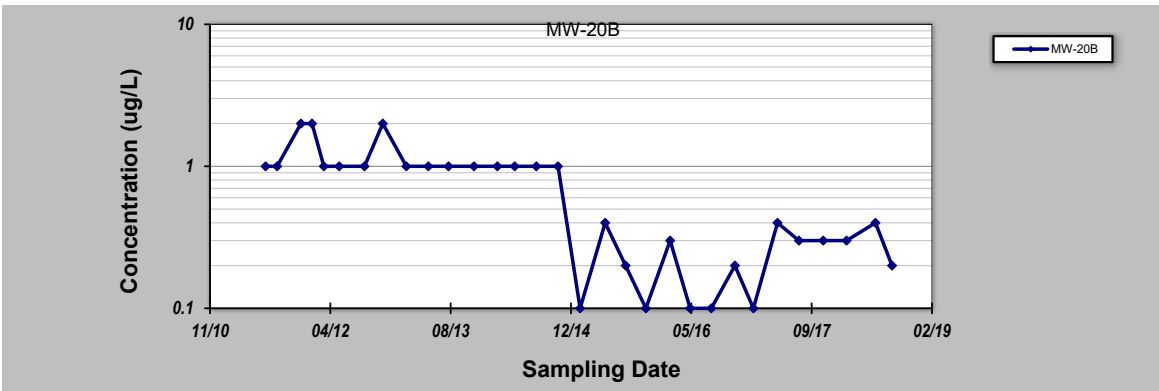
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 17-May-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: MW-20B	

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	07/07/2011	1.0					
2	8/24/2011	1.0					
3	12/01/2011	2.0					
4	01/16/2012	2.0					
5	03/05/2012	1.0					
6	05/08/2012	1.0					
7	08/21/2012	1.0					
8	11/05/2012	2.0					
9	02/11/2013	1.0					
10	05/13/2013	1.0					
11	08/05/2013	1.0					
12	11/19/2013	1.0					
13	02/24/2014	1.0					
14	05/07/2014	1.0					
15	08/05/2014	1.0					
16	11/03/2014	1.0					
17	02/03/2015	0.1					
18	05/18/2015	0.4					
19	08/11/2015	0.2					
20	11/03/2015	0.1					
21	02/12/2016	0.3					
22	05/05/2016	0.1					
23	08/01/2016	0.1					
24	11/07/2016	0.2					
25	01/23/2017	0.1					
26	05/03/2017	0.4					
27	07/31/2017	0.3					
28	11/09/2017	0.3					
29	2/14/2018	0.3					
30	06/14/2018	0.4					
31	08/22/2018	0.2					
32							
33							
34							
35							
Coefficient of Variation:		0.78					
Mann-Kendall Statistic (S):		-236					
Confidence Factor:		>99.9%					
Concentration Trend:		Decreasing					



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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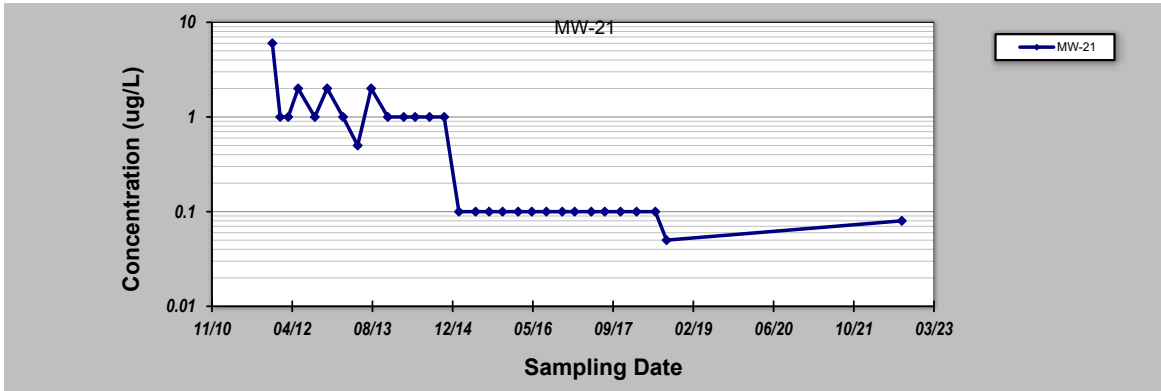
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: MW-21	

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/29/2011	6.0					
2	1/17/2012	1.0					
3	03/07/2012	1.0					
4	05/08/2012	2.0					
5	08/20/2012	1.0					
6	11/05/2012	2.0					
7	02/12/2013	1.0					
8	05/14/2013	0.5					
9	08/06/2013	2.0					
10	11/18/2013	1.0					
11	02/25/2014	1.0					
12	05/07/2014	1.0					
13	08/05/2014	1.0					
14	11/04/2014	1.0					
15	02/04/2015	0.1					
16	05/19/2015	0.1					
17	08/11/2015	0.1					
18	11/03/2015	0.1					
19	02/08/2016	0.1					
20	05/03/2016	0.1					
21	08/02/2016	0.1					
22	11/09/2016	0.1					
23	01/25/2017	0.1					
24	05/09/2017	0.1					
25	08/01/2017	0.1					
26	11/07/2017	0.1					
27	02/15/2018	0.1					
28	06/12/2018	0.1					
29	8/21/2018	0.05					
30	8/26/2022	0.08					
31							
32							
33							
34							
35							
Coefficient of Variation:		1.52					
Mann-Kendall Statistic (S):		-273					
Confidence Factor:		>99.9%					
Concentration Trend:		Decreasing					



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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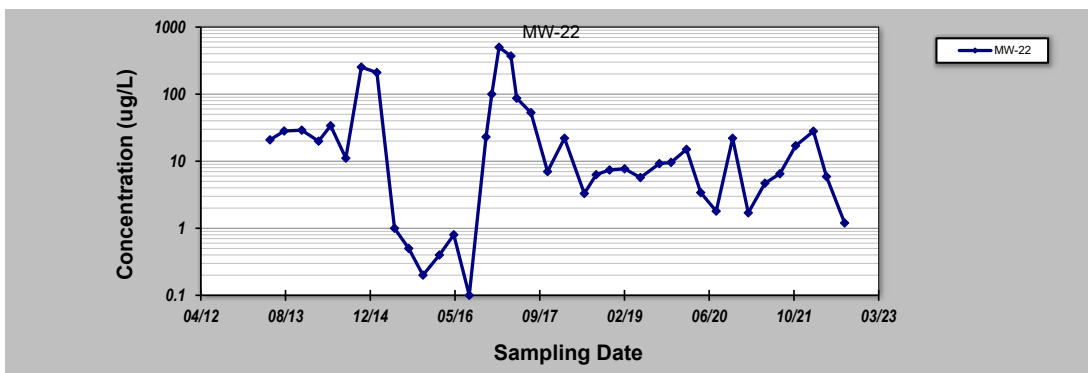
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-22**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	05/14/2013	20.8					
2	08/06/2013	28.2					
3	11/18/2013	29.0					
4	02/25/2014	19.9					
5	05/07/2014	33.8					
6	08/05/2014	11.1					
7	11/04/2014	253					
8	02/04/2015	210					
9	05/19/2015	1.0					
10	08/11/2015	0.5					
11	11/03/2015	0.2					
12	02/08/2016	0.4					
13	05/03/2016	0.8					
14	08/02/2016	0.1					
15	11/09/2016	23.0					
16	12/13/2016	100					
17	01/25/2017	500					
18	04/05/2017	370					
19	05/09/2017	87.0					
20	08/01/2017	53.0					
21	11/07/2017	7.0					
22	2/15/2018	22.0					
23	06/12/2018	3.3					
24	08/21/2018	6.3					
25	11/08/2018	7.4					
26	02/05/2019	7.7					
27	05/09/2019	5.7					
28	08/29/2019	9.2					
29	11/06/2019	9.6					
30	02/05/2020	15.0					
31	04/29/2020	3.4					
32	07/29/2020	1.8					
33	11/03/2020	22.0					
34	02/03/2021	1.7					
35	05/13/2021	4.7					
36	08/09/2021	6.5					
37	11/10/2021	17.0					
38	02/23/2022	28.0					
39	5/11/2022	5.9					
40	08/26/2022	1.2					

Coefficient of Variation:	2.18
Mann-Kendall Statistic (S):	-127
Confidence Factor:	92.9%
Concentration Trend:	Prob. Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

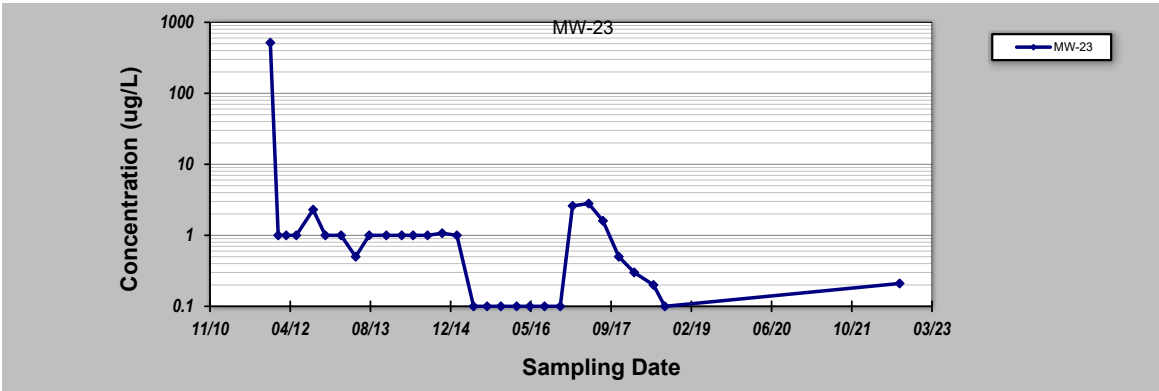
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: MW-23	

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/29/2011	517					
2	01/17/2012	1.0					
3	03/07/2012	1.0					
4	05/09/2012	1.0					
5	08/22/2012	2.3					
6	11/06/2012	1.0					
7	02/12/2013	1.0					
8	05/14/2013	0.5					
9	08/06/2013	1.0					
10	11/21/2013	1.0					
11	02/25/2014	1.0					
12	05/07/2014	1.0					
13	08/05/2014	1.0					
14	11/04/2014	1.1					
15	02/04/2015	1.0					
16	05/19/2015	0.1					
17	08/11/2015	0.1					
18	11/05/2015	0.1					
19	02/11/2016	0.1					
20	05/03/2016	0.1					
21	08/03/2016	0.1					
22	11/09/2016	0.1					
23	01/25/2017	2.6					
24	05/05/2017	2.8					
25	08/02/2017	1.6					
26	11/09/2017	0.5					
27	02/13/2018	0.3					
28	06/13/2018	0.2					
29	8/23/2018	0.1					
30	8/25/2022	0.21					
31							
32							
33							
34							
35							
Coefficient of Variation:		5.23					
Mann-Kendall Statistic (S):		-125					
Confidence Factor:		98.7%					
Concentration Trend:		Decreasing					



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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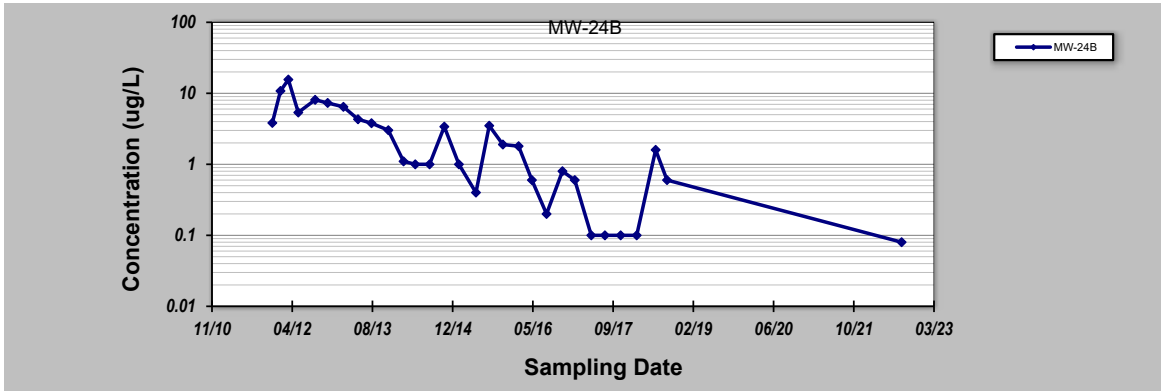
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: MW-24B	

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/29/2011	3.8					
2	01/19/2012	10.8					
3	03/08/2012	15.6					
4	05/09/2012	5.4					
5	08/22/2012	8.1					
6	11/08/2012	7.3					
7	02/14/2013	6.5					
8	05/16/2013	4.3					
9	08/08/2013	3.8					
10	11/21/2013	3.0					
11	02/24/2014	1.1					
12	05/08/2014	1.0					
13	08/05/2014	1.0					
14	11/05/2014	3.4					
15	02/04/2015	1.0					
16	05/21/2015	0.4					
17	08/12/2015	3.5					
18	11/05/2015	1.9					
19	02/11/2016	1.8					
20	05/04/2016	0.6					
21	08/03/2016	0.2					
22	11/10/2016	0.8					
23	01/26/2017	0.6					
24	05/09/2017	0.1					
25	08/02/2017	0.1					
26	11/08/2017	0.1					
27	02/16/2018	0.1					
28	06/14/2018	1.6					
29	8/24/2018	0.6					
30	8/25/2022	0.08					
31							
32							
33							
34							
35							
Coefficient of Variation:		1.23					
Mann-Kendall Statistic (S):		-309					
Confidence Factor:		>99.9%					
Concentration Trend:		Decreasing					



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

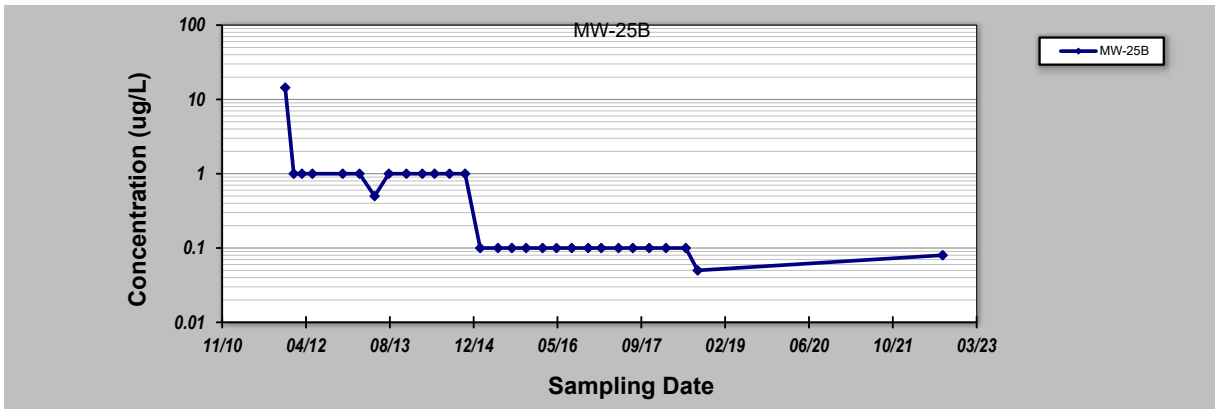
for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **MW-25B**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	11/29/2011	14.4					
2	01/19/2012	1.0					
3	03/08/2012	1.0					
4	05/09/2012	1.0					
5	11/06/2012	1.0					
6	02/14/2013	1.0					
7	05/15/2013	0.5					
8	08/08/2013	1.0					
9	11/21/2013	1.0					
10	02/24/2014	1.0					
11	05/08/2014	1.0					
12	08/05/2014	1.0					
13	11/06/2014	1.0					
14	02/04/2015	0.1					
15	05/21/2015	0.1					
16	08/12/2015	0.1					
17	11/05/2015	0.1					
18	02/11/2016	0.1					
19	05/04/2016	0.1					
20	08/03/2016	0.1					
21	11/09/2016	0.1					
22	01/26/2017	0.1					
23	05/09/2017	0.1					
24	08/02/2017	0.1					
25	11/08/2017	0.1					
26	02/16/2018	0.1					
27	06/14/2018	0.1					
28	08/24/2018	0.05					
29	8/24/2022	0.08					
30							

Coefficient of Variation:	2.77
Mann-Kendall Statistic (S):	-246
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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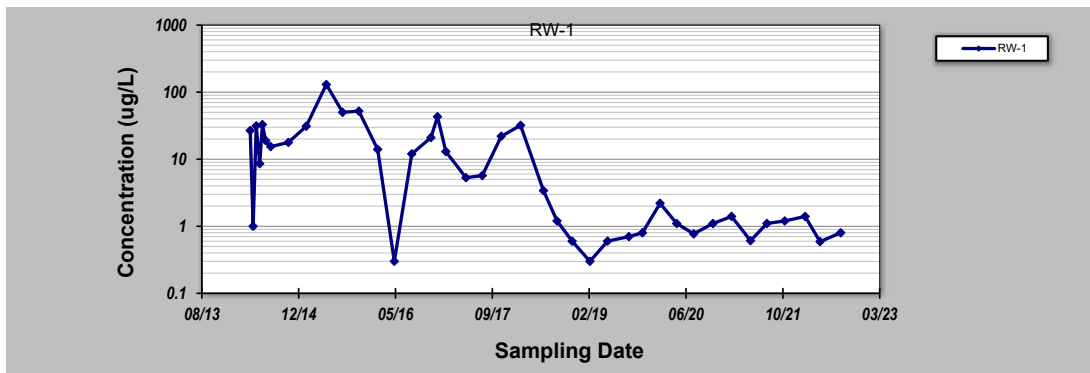
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **RW-1**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	04/21/2014	26.7					
2	05/06/2014	1.0					
3	05/22/2014	31.4					
4	06/09/2014	8.6					
5	06/23/2014	32.8					
6	07/10/2014	18.9					
7	08/05/2014	15.4					
8	11/04/2014	17.8					
9	02/04/2015	31.0					
10	05/19/2015	130.0					
11	08/11/2015	50.0					
12	11/3/2015	52.0					
13	02/08/2016	14.0					
14	05/04/2016	0.3					
15	08/02/2016	12					
16	11/09/2016	21					
17	12/13/2016	43					
18	01/25/2017	13					
19	05/09/2017	5.3					
20	08/01/2017	5.7					
21	11/07/2017	22					
22	02/15/2018	32.0					
23	06/13/2018	3.4					
24	08/22/2018	1.2					
25	11/08/2018	0.6					
26	02/08/2019	0.3					
27	05/10/2019	0.6					
28	8/28/2019	0.7					
29	11/06/2019	0.8					
30	02/05/2020	2.2					
31	05/01/2020	1.1					
32	07/28/2020	0.77					
33	11/04/2020	1.1					
34	02/08/2021	1.4					
35	05/17/2021	0.61					
36	08/10/2021	1.1					
37	11/10/2021	1.2					
38	02/23/2022	1.4					
39	5/11/2022	0.59					
40	08/26/2022	0.80					

Coefficient of Variation:	1.58
Mann-Kendall Statistic (S):	-342
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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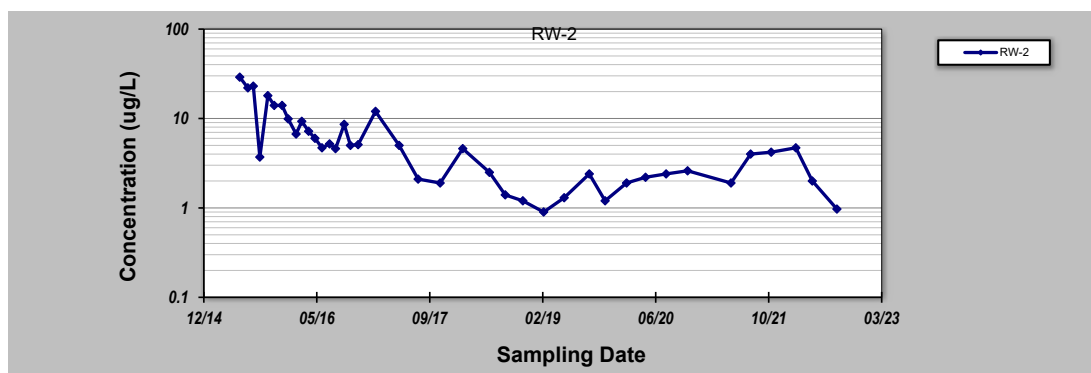
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **RW-2**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	06/04/2015	29.0					
2	07/10/2015	22.0					
3	08/03/2015	23.0					
4	09/01/2015	3.7					
5	10/06/2015	18.0					
6	11/03/2015	14.0					
7	12/08/2015	14.0					
8	01/04/2016	9.9					
9	02/08/2016	6.7					
10	03/04/2016	9.3					
11	04/04/2016	7.2					
12	5/2/2016	6.0					
13	06/02/2016	4.7					
14	07/05/2016	5.2					
15	08/01/2016	4.6					
16	09/08/2016	8.6					
17	10/06/2016	5.0					
18	11/09/2016	5.1					
19	01/25/2017	12					
20	05/09/2017	5.0					
21	08/01/2017	2.1					
22	11/07/2017	1.9					
23	02/15/2018	4.6					
24	06/13/2018	2.5					
25	08/22/2018	1.4					
26	11/08/2018	1.2					
27	02/08/2019	0.9					
28	5/10/2019	1.3					
29	08/29/2019	2.4					
30	11/07/2019	1.2					
31	02/10/2020	1.9					
32	05/04/2020	2.2					
33	08/03/2020	2.4					
34	11/06/2020	2.6					
35	05/17/2021	1.9					
36	08/12/2021	4.0					
37	11/11/2021	4.2					
38	02/28/2022	4.7					
39	5/12/2022	2.0					
40	08/29/2022	0.97					

Coefficient of Variation:	1.02
Mann-Kendall Statistic (S):	-459
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

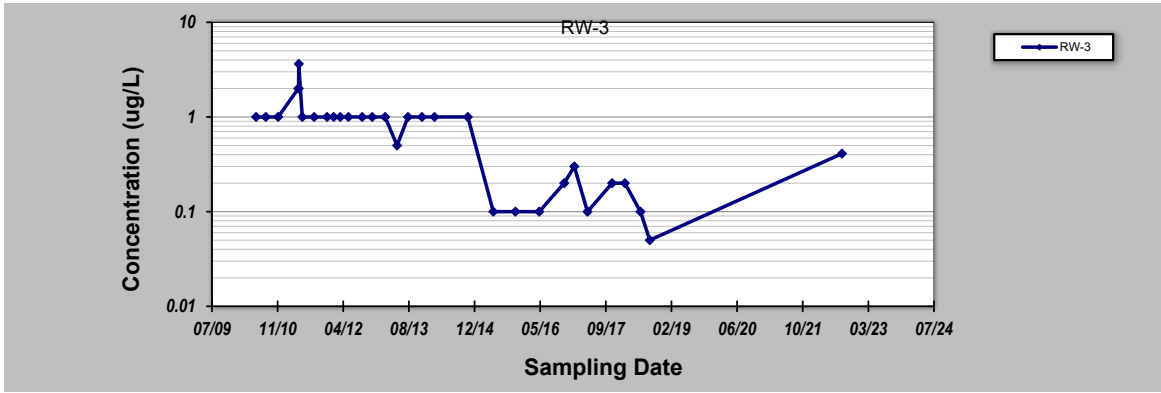
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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L
Sampling Point ID: RW-3	

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	06/07/2010	1.0					
2	08/20/2010	1.0					
3	11/22/2010	1.0					
4	02/17/2011	1.17					
5	04/25/2011	2.0					
6	04/27/2011	2.0					
7	04/28/2011	3.6					
8	05/25/2011	1.0					
9	08/23/2011	1.0					
10	11/30/2011	1.0					
11	01/19/2012	1.0					
12	03/09/2012	1.0					
13	5/10/2012	1.0					
14	08/23/2012	1.0					
15	11/08/2012	1.0					
16	02/14/2013	1.0					
17	05/16/2013	0.5					
18	08/07/2013	1.0					
19	11/22/2013	1.0					
20	02/25/2014	1.0					
21	11/06/2014	1.0					
22	05/19/2015	0.1					
23	11/03/2015	0.1					
24	05/03/2016	0.1					
25	11/09/2016	0.2					
26	01/25/2017	0.3					
27	05/05/2017	0.1					
28	11/09/2017	0.2					
29	2/14/2018	0.2					
30	06/13/2018	0.1					
31	08/23/2018	0.05					
32	08/26/2022	0.41					
33							
34							
35							
Coefficient of Variation:		0.87					
Mann-Kendall Statistic (S):		-276					
Confidence Factor:		>99.9%					
Concentration Trend:		Decreasing					



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S=0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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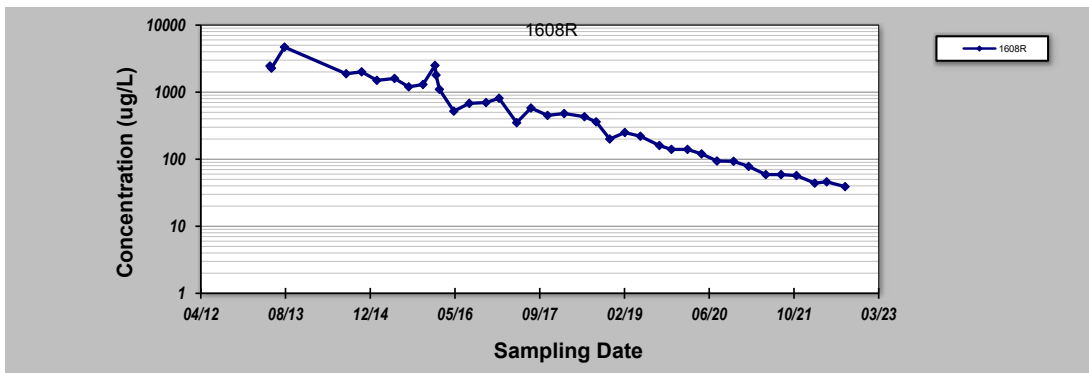
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 12-Oct-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: Amelia Ryan	Concentration Units: ug/L

Sampling Point ID: **1608R**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	05/14/2013	2,450					
2	05/23/2013	2,280					
3	08/08/2013	4,690					
4	08/07/2014	1,880					
5	11/06/2014	2,010					
6	02/04/2015	1,500					
7	05/19/2015	1,600					
8	08/11/2015	1,200					
9	11/03/2015	1,300					
10	01/13/2016	2,500					
11	01/19/2016	1,800					
12	02/08/2016	1,100					
13	05/03/2016	520					
14	08/02/2016	680					
15	11/09/2016	700					
16	01/25/2017	810					
17	05/09/2017	350					
18	08/01/2017	580					
19	11/07/2017	450					
20	02/13/2018	480					
21	06/13/2018	430					
22	08/21/2018	360					
23	11/09/2018	200					
24	02/06/2019	250					
25	05/09/2019	220					
26	08/29/2019	160					
27	11/08/2019	140					
28	02/11/2020	140					
29	5/4/2020	120					
30	08/03/2020	94					
31	11/09/2020	93					
32	02/05/2021	78					
33	05/18/2021	59					
34	08/16/2021	59					
35	11/15/2021	57					
36	03/03/2022	44					
37	05/12/2022	46					
38	8/29/2022	39					
39							
40							

Coefficient of Variation:	1.20
Mann-Kendall Statistic (S):	-635
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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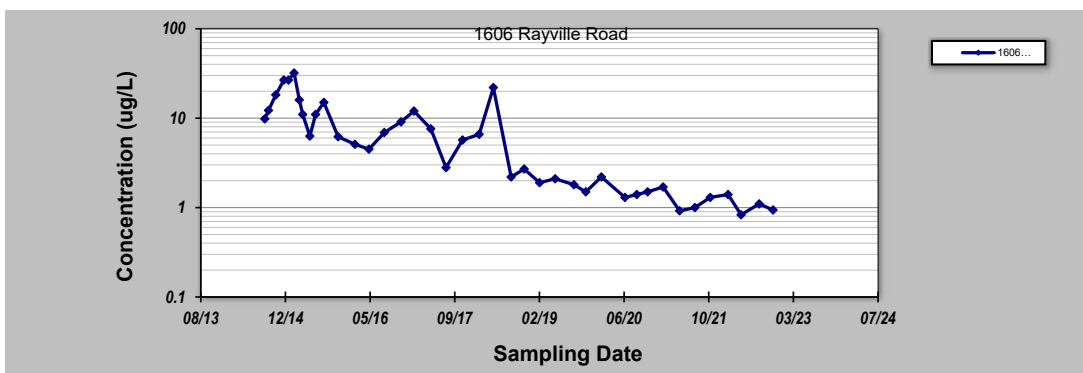
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 28-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: P. Reichardt	Concentration Units: ug/L

Sampling Point ID: **1606 Rayville Road**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/27/2014	9.82					
2	09/18/2014	12.2					
3	10/31/2014	18.2					
4	12/18/2014	26.7					
5	01/14/2015	26.6					
6	02/16/2015	32					
7	03/19/2015	16					
8	04/08/2015	11					
9	05/20/2015	6.3					
10	06/23/2015	11					
11	8/11/2015	15					
12	11/03/2015	6.2					
13	02/10/2016	5.1					
14	05/03/2016	4.5					
15	08/02/2016	6.9					
16	11/09/2016	9.1					
17	01/24/2017	12					
18	05/03/2017	7.6					
19	08/01/2017	2.8					
20	11/07/2017	5.7					
21	02/13/2018	6.6					
22	05/08/2018	22					
23	08/21/2018	2.2					
24	11/06/2018	2.7					
25	02/05/2019	1.9					
26	05/08/2019	2.1					
27	8/27/2019	1.8					
28	11/05/2019	1.5					
29	02/05/2020	2.2					
30	06/23/2020	1.3					
31	09/01/2020	1.4					
32	11/04/2020	1.5					
33	02/03/2021	1.7					
34	05/12/2021	0.92					
35	08/10/2021	1.0					
36	11/09/2021	1.3					
37	02/22/2022	1.4					
38	05/10/2022	0.83					
39	8/25/2022	1.1					
40	11/15/2022	0.94					

Coefficient of Variation:	1.05
Mann-Kendall Statistic (S):	-542
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

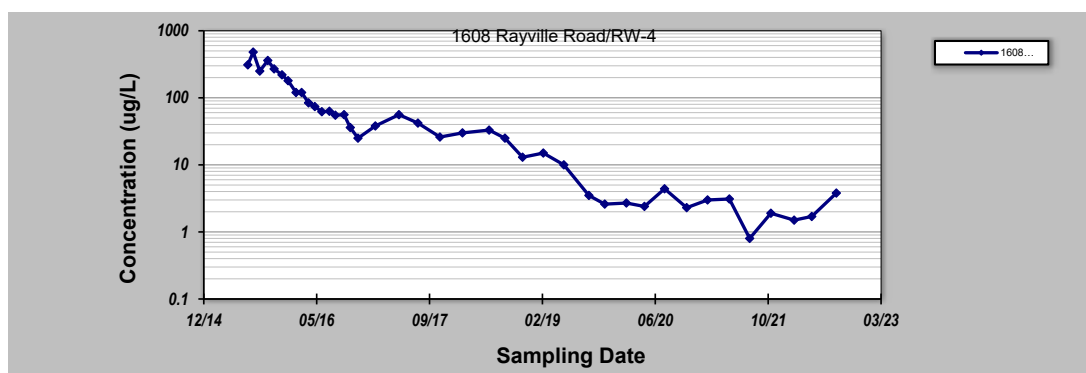
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 28-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: P. Reichardt	Concentration Units: ug/L
Sampling Point ID: 1608 Rayville Road/RW-4	

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	07/10/2015	310					
2	08/03/2015	480					
3	09/01/2015	250					
4	10/06/2015	360					
5	11/03/2015	270					
6	12/08/2015	220					
7	1/4/2016	180					
8	02/08/2016	120					
9	03/04/2016	120					
10	04/04/2016	84					
11	05/02/2016	74					
12	06/02/2016	62					
13	07/05/2016	63					
14	08/01/2016	55					
15	09/08/2016	56					
16	10/06/2016	36					
17	11/09/2016	25					
18	01/25/2017	38					
19	05/09/2017	56					
20	08/01/2017	42					
21	11/07/2017	26					
22	02/15/2018	30					
23	6/13/2018	33					
24	08/22/2018	25					
25	11/08/2018	13					
26	02/08/2019	15					
27	05/10/2019	10					
28	08/29/2019	3.5					
29	11/07/2019	2.6					
30	02/11/2020	2.7					
31	05/01/2020	2.4					
32	07/29/2020	4.4					
33	11/04/2020	2.3					
34	02/04/2021	3.0					
35	05/12/2021	3.1					
36	08/10/2021	0.8					
37	11/12/2021	1.9					
38	02/23/2022	1.5					
39	05/12/2022	1.7					
40	08/29/2022	3.8					

Coefficient of Variation:	1.47
Mann-Kendall Statistic (S):	-675
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
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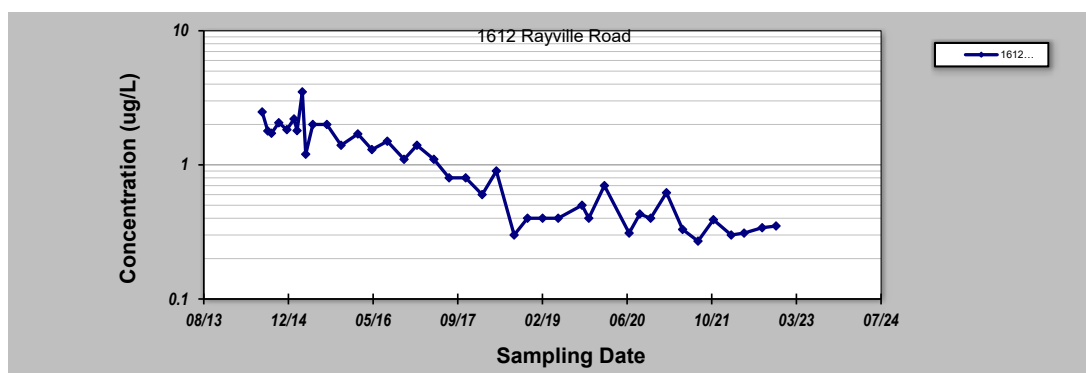
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 28-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: P. Reichardt	Concentration Units: ug/L

Sampling Point ID: **1612 Rayville Road**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	07/25/2014	2.48					
2	08/27/2014	1.79					
3	09/18/2014	1.72					
4	10/31/2014	2.06					
5	12/18/2014	1.83					
6	01/29/2015	2.2					
7	02/16/2015	1.8					
8	03/19/2015	3.5					
9	04/08/2015	1.2					
10	05/20/2015	2.0					
11	8/11/2015	2.0					
12	11/03/2015	1.4					
13	02/10/2016	1.7					
14	05/03/2016	1.3					
15	08/02/2016	1.5					
16	11/09/2016	1.1					
17	01/24/2017	1.4					
18	05/04/2017	1.1					
19	08/02/2017	0.8					
20	11/08/2017	0.8					
21	02/13/2018	0.6					
22	05/08/2018	0.9					
23	08/21/2018	0.3					
24	11/08/2018	0.4					
25	02/05/2019	0.4					
26	05/08/2019	0.4					
27	9/26/2019	0.5					
28	11/05/2019	0.4					
29	02/05/2020	0.7					
30	06/30/2020	0.31					
31	09/01/2020	0.43					
32	11/04/2020	0.4					
33	02/05/2021	0.62					
34	05/12/2021	0.33					
35	08/11/2021	0.27					
36	11/10/2021	0.39					
37	02/23/2022	0.30					
38	5/10/2022	0.31					
39	08/25/2022	0.34					
40	11/15/2022	0.35					

Coefficient of Variation:	0.73
Mann-Kendall Statistic (S):	-570
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

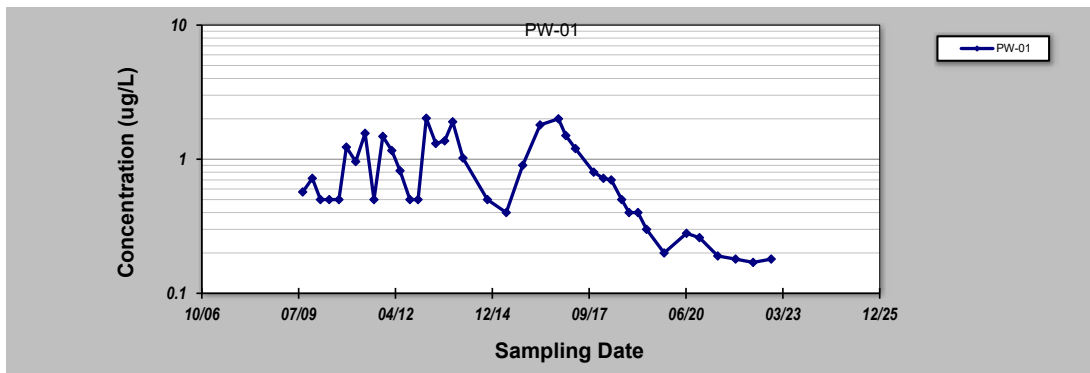
for Constituent Trend Analysis

Evaluation Date: 28-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: P. Reichardt	Concentration Units: ug/L

Sampling Point ID: **PW-01**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/17/2009	0.57					
2	11/24/2009	0.72					
3	02/16/2010	0.5					
4	05/18/2010	0.5					
5	08/26/2010	0.5					
6	11/11/2010	1.23					
7	02/15/2011	0.96					
8	05/23/2011	1.56					
9	08/23/2011	0.5					
10	11/22/2011	1.48					
11	02/23/2012	1.16					
12	05/18/2012	0.82					
13	08/28/2012	0.5					
14	11/20/2012	0.5					
15	02/13/2013	2.02					
16	05/22/2013	1.31					
17	08/22/2013	1.37					
18	11/13/2013	1.9					
19	02/27/2014	1.02					
20	11/06/2014	0.5					
21	05/20/2015	0.4					
22	11/06/2015	0.9					
23	05/03/2016	1.8					
24	11/09/2016	2					
25	01/24/2017	1.5					
26	05/03/2017	1.2					
27	11/08/2017	0.8					
28	02/16/2018	0.72					
29	05/08/2018	0.7					
30	08/24/2018	0.5					
31	11/08/2018	0.4					
32	02/08/2019	0.4					
33	05/08/2019	0.3					
34	11/05/2019	0.2					
35	06/23/2020	0.28					
36	11/04/2020	0.26					
37	05/12/2021	0.19					
38	11/12/2021	0.18					
39	05/12/2022	0.17					
40	11/15/2022	0.18					

Coefficient of Variation:	0.67
Mann-Kendall Statistic (S):	-301
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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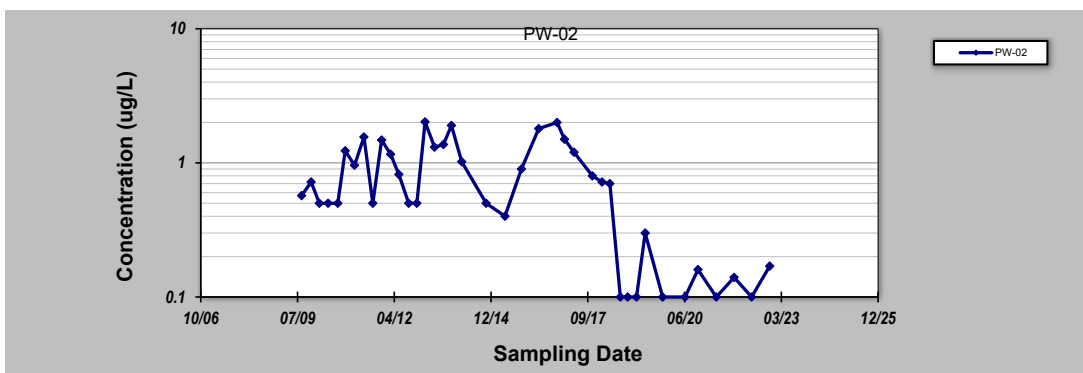
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 28-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: P. Reichardt	Concentration Units: ug/L

Sampling Point ID: **PW-02**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/17/2009	0.57					
2	11/24/2009	0.72					
3	02/16/2010	0.5					
4	05/18/2010	0.5					
5	08/26/2010	0.5					
6	11/11/2010	1.23					
7	02/15/2011	0.96					
8	05/23/2011	1.56					
9	08/23/2011	0.5					
10	11/22/2011	1.48					
11	02/23/2012	1.16					
12	05/18/2012	0.82					
13	08/28/2012	0.5					
14	11/20/2012	0.5					
15	02/13/2013	2.02					
16	05/22/2013	1.31					
17	08/22/2013	1.37					
18	11/13/2013	1.9					
19	02/27/2014	1.02					
20	11/06/2014	0.5					
21	05/20/2015	0.4					
22	11/06/2015	0.9					
23	05/03/2016	1.8					
24	11/09/2016	2.0					
25	01/24/2017	1.5					
26	05/03/2017	1.2					
27	11/08/2017	0.80					
28	02/16/2018	0.72					
29	05/08/2018	0.70					
30	08/24/2018	0.10					
31	11/08/2018	0.10					
32	02/08/2019	0.10					
33	05/08/2019	0.30					
34	11/05/2019	0.10					
35	06/23/2020	0.10					
36	11/04/2020	0.16					
37	05/12/2021	0.10					
38	11/12/2021	0.14					
39	05/12/2022	0.10					
40	11/15/2022	0.17					

Coefficient of Variation:	0.76
Mann-Kendall Statistic (S):	-253
Confidence Factor:	99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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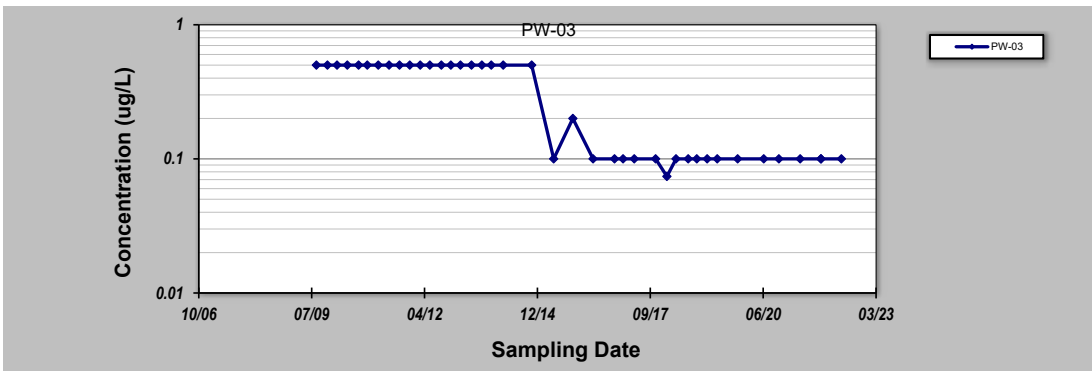
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 28-Nov-22	Job ID: 0403421
Facility Name: Parkton/High's 141	Constituent: Methyl tert-Butyl Ether - Long Term
Conducted By: P. Reichardt	Concentration Units: ug/L

Sampling Point ID: **PW-03**

Sampling Event	Sampling Date	METHYL TERT-BUTYL ETHER - LONG TERM CONCENTRATION (ug/L)					
1	08/17/2009	0.5					
2	11/23/2009	0.5					
3	02/16/2010	0.5					
4	05/18/2010	0.5					
5	08/26/2010	0.5					
6	11/11/2010	0.5					
7	02/16/2011	0.5					
8	05/23/2011	0.5					
9	08/23/2011	0.5					
10	11/22/2011	0.5					
11	02/23/2012	0.5					
12	05/18/2012	0.5					
13	08/28/2012	0.5					
14	11/20/2012	0.5					
15	02/13/2013	0.5					
16	05/22/2013	0.5					
17	08/22/2013	0.5					
18	11/13/2013	0.5					
19	02/27/2014	0.5					
20	11/06/2014	0.5					
21	05/20/2015	0.1					
22	11/06/2015	0.2					
23	5/3/2016	0.1					
24	11/09/2016	0.1					
25	01/24/2017	0.1					
26	05/03/2017	0.1					
27	11/08/2017	0.1					
28	02/16/2018	0.074					
29	05/08/2018	0.1					
30	08/24/2018	0.1					
31	11/08/2018	0.1					
32	02/08/2019	0.1					
33	05/08/2019	0.1					
34	11/05/2019	0.1					
35	06/23/2020	0.1					
36	11/04/2020	0.1					
37	05/12/2021	0.1					
38	11/12/2021	0.1					
39	11/12/2021	0.1					
40	05/12/2022	0.1					

Coefficient of Variation:	0.67
Mann-Kendall Statistic (S):	-411
Confidence Factor:	>99.9%
Concentration Trend:	Decreasing



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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