



June 21, 2024

Ms. Lindley Campbell
Oil Control Program
Maryland Department of the Environment
1800 Washington Blvd, Suite 620
Baltimore, Maryland 21230

RE: FIRST SEMI-ANNUAL 2024 MONITORING REPORT

MDE Case No. 2006-0442-HA
High's Store No. 130 (Madonna)
4101 Norrisville Road, Jarrettsville, Harford County, Maryland
Facility ID No. 2057

Dear Ms. Campbell:

Groundwater & Environmental Services, Inc. (GES), on behalf of High's of Baltimore, LLC (High's), is pleased to submit the attached First Semi-Annual 2024 Monitoring Report for the above-mentioned facility. For the First Semi-Annual 2024 monitoring period, the following activities were performed:

- Quarterly sampling of the liquid granular activated carbon (LGAC) filtration system at 3921 Greenpeak Road was completed on May 7, 2024;
- quarterly sampling of the residential potable wells at 3922 Greenpeak Road and 3914 Madonna Road was completed on May 7, 2024;
- annual sampling of the residential potable well at 3922 Madonna Road was completed on May 13, 2024;
- gauging of monitoring wells MW-1, MW-2, MW-3 MW-4/4D, MW-5/5D, and MW-6/6D was completed on May 7, 2024 (tank field observation pipes were gauged as dry this day);
- semi-annual sampling of monitoring wells MW-4/4D, MW-5/5D, and MW-6/6D was completed on May 7, 2024; and,
- annual sampling of monitoring wells MW-1, MW-2, and MW-3 was completed on May 7, 2024.

It is noted in the case narrative for Eurofins laboratory report 410-172347-1 (**Appendix B**) that the residential potable sample for 3922 Madonna Road was measured at a temperature of 11.1^o Celsius (°C) upon delivery to the laboratory, which exceeded storage temperature requirements (2 to 6 °C.) This incident occurred due to a lab courier error while the sample was in transit. GES instructed the lab to run the sample in order to compare against previous results. The results were found consistent with the historical record and therefore, the results are reported and the residence was not resampled for the monitoring period (**Table 2**).



Finally, on March 8, 2024, GES submitted a Request for Case Closure Report to the MDE pertaining to the site's active case # 2006-0442-HA. We look forward to the MDE's response with this important request.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Pete Reichardt'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Pete Reichardt
Senior Project Manager

Enclosure

- c: Lindley Campbell – MDE (1 additional copy & CD, e-copy)
- Ellen Jackson – MDE (copy, CD & e-copy)
- Herb Meade – High's of Baltimore (e-copy)
- John Resline – Harford County Health Dept. (CD)
- File – GES, MD (PSID 1010745)



Consultant Contact: Pete Reichardt, Groundwater & Environmental Services, Inc. (GES)

Client Contact: Herb Meade, High's of Baltimore

Site Use: Active commercial store and service station that operates one 10,000-gallon gasoline, two 8,000-gallon gasoline, and one 10,000-gallon compartmentalized diesel/kerosene.

Surrounding Area: Residential and commercial

Sensitive Receptors: Potable Wells: This site is served by one onsite supply well. The surrounding commercial and residential properties are served by potable wells.
Schools/Daycare/Hospitals: None
Surface Water/Wetlands: None

Date of Most Recent Regulatory Correspondence: June 3, 2020

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

REGULATORY INTERACTION

Agency: Maryland Department of the Environment
Agency Contact: Lindley Campbell, Ellen Jackson
MDE Case #: 2006-0442-HA

SCHEDULE OF ROUTINE ACTIVITIES

Groundwater Sampling: Nine monitoring wells and four tank field wells

Sampling Frequency: Annually: MW-1, MW-2, and MW-3
Semi-Annual: MW-4/4D, MW-5/5D, and MW6/6D

Laboratory Analyses: *Full-suite volatile organic compounds (VOCs), including oxygenates and naphthalene via EPA Method 8260 and TPH-GRO and TPH-DRO via EPA Method 8015*

Potable/System Sampling:

LGAC System Location: 3921 Greenpeak Rd.	Sampling Frequency: Quarterly
Potable Well Location: 3908 Madonna Rd. 3914 Madonna Rd.* 3922 Greenpeak Rd.	Sampling Frequency: Annually Quarterly Quarterly



Potable/System Sampling (cont.):

Onsite Supply Well Sampling:
3922 Madonna Rd.
4101 Norrisville Rd.

Sampling Frequency:
Annually
Annually

**Laboratory Analyses
(all potable/system samples):**

Target List VOCs, including oxygenates and naphthalene, via EPA Method 524.2

"LGAC" = Liquid granular activated carbon, also referred to as Point-of-Entry Treatment or "POET"

*Note: Carroll Fuel was released from POET maintenance at 3914 Madonna Road by the MDE on June 3, 2020. The influent water at this location is sampled quarterly.

SEMI-ANNUAL GROUNDWATER DATA SUMMARY

Groundwater Sampling Date: May 7, 2024
of Wells / # Sampled (including TF wells): 13 / 9 (TF wells not sampled due to insufficient water)
Relative Groundwater Elevation Range (ft): 75.99 feet (MW-2) to 73.79 feet (MW-6)
Maximum Benzene: Non-Detect (MDL of 0.10 µg/L)
Maximum MTBE: 1.1 µg/L (MW-1)
Maximum TPH-DRO: Non-Detect (MDL of 56-58 µg/L)
Maximum TPH-GRO: Non-Detect (MDL of 23 µg/L)

"µg/L" = micrograms per liter
MDL = Method Detection Limit

Future Activities for the Second Semi-Annual Period 2024 unless otherwise directed by the MDE

- Continue maintenance of the LGAC filtration system at 3921 Greenpeak Road as needed
- Conduct quarterly residential potable sampling for 3rd and 4th Quarters 2024.
- Conduct Second Semi-Annual 2024 groundwater monitoring event (4th Quarter 2024).



ATTACHMENTS

FIGURES

Figure 1	Site Location Map
Figure 2	Local Area Map
Figure 3	Site Map
Figure 4	Groundwater Monitoring Map, Shallow Wells, May 7, 2024
Figure 5	Groundwater Monitoring Map, Deep Wells, May 7, 2024

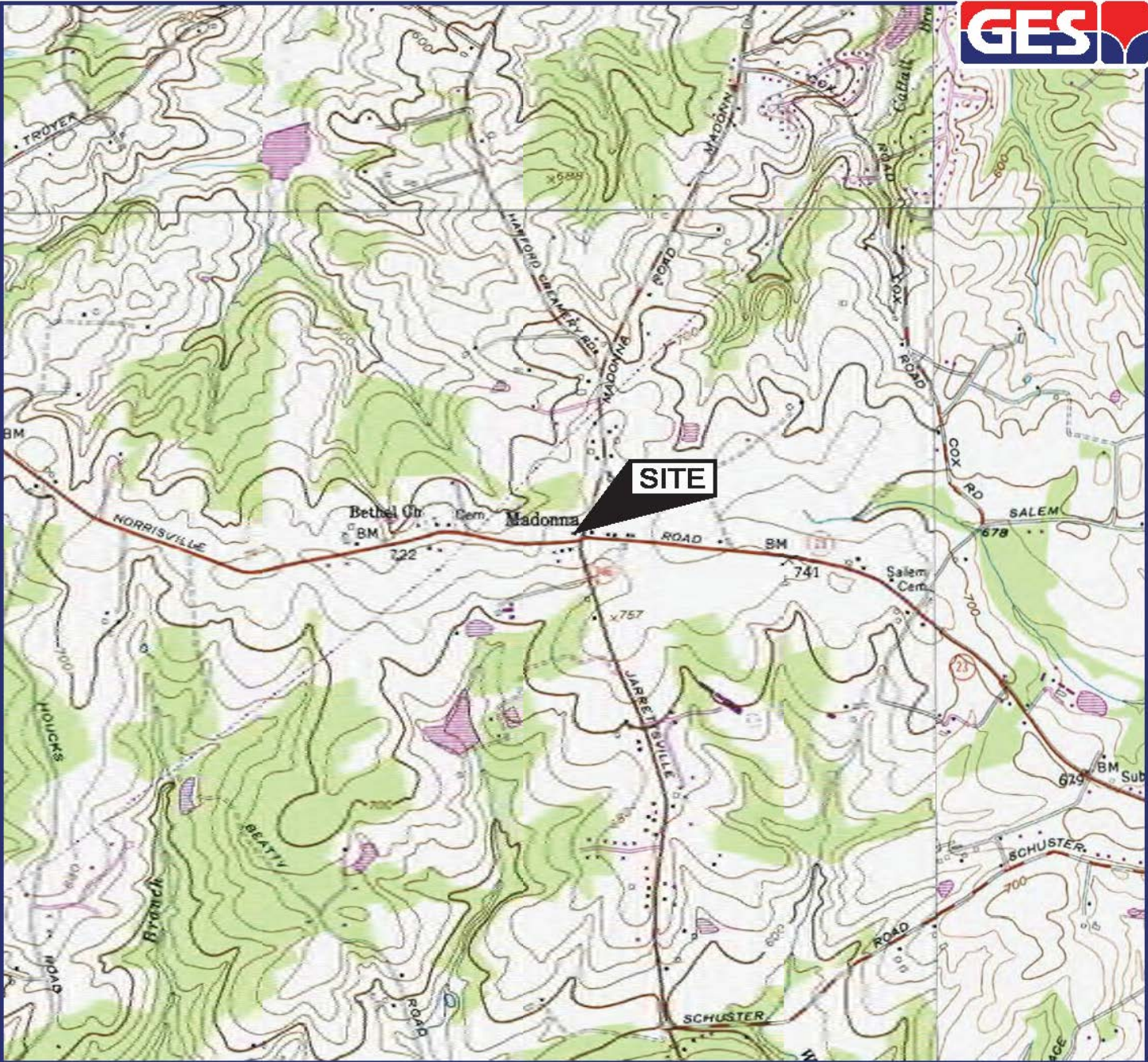
TABLES

Table 1	Historical Monitoring Well Analytical Data Summary
Table 2	Historical Potable Well Analytical Data Summary
Table 3	Monitoring Well Specifications Summary

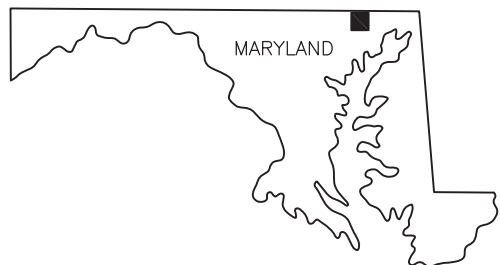
APPENDICES

Appendix A	Historical Activity Summary
Appendix B	Laboratory Reports and Chain-of-Custody Documentation
Appendix C	Vertical Gradient Calculations

FIGURES



SOURCE: USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC QUADRANGLE 1974
 PHOENIX, MARYLAND
 CONTOUR INTERVAL = 20'



QUADRANGLE LOCATION

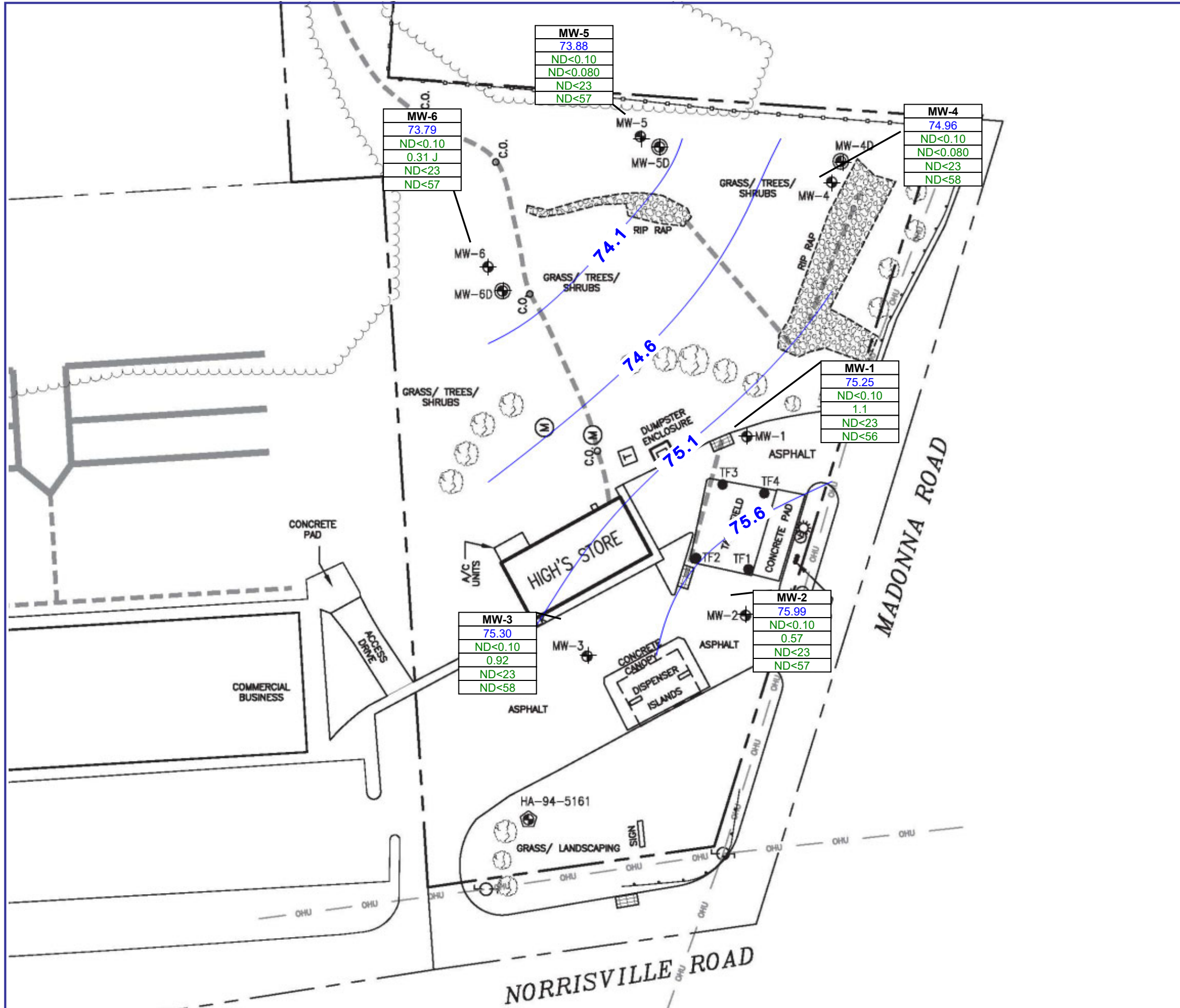
DRAFTED BY: B.C.S. (N.J.)	SITE LOCATION MAP		
CHECKED BY: DR			
REVIEWED BY: GR	HIGH'S STORE #130 4101 NORRISVILLE ROAD MADONNA, MARYLAND		
NORTH 	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE H2, ODENTON, MD 21113		
	SCALE IN FEET 	DATE 4-9-12	FIGURE 1

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- 1 3934 MADONNA ROAD
- 2 3928 MADONNA ROAD
- 3 3925 GREENPEAK ROAD
- 4 3923 GREENPEAK ROAD
- 5 3922 MADONNA ROAD
- 6 3921 GREENPEAK ROAD
- 7 3922 GREENPEAK ROAD
- 8 3924 GREENPEAK ROAD
- 9 3914 MADONNA ROAD
- 10 3908 MADONNA ROAD
- 11 3921 MADONNA ROAD
- 12 3923 MADONNA ROAD
- 13 3919 MADONNA ROAD
- 14 3911 MADONNA ROAD
- 15 4111 CHARBONNET DRIVE
- 16 4051 NORRISVILLE ROAD
- 17 4053 NORRISVILLE ROAD
- 18 4055 NORRISVILLE ROAD
- 19 4057 NORRISVILLE ROAD
- 20 4059A NORRISVILLE ROAD
- 21 4059 NORRISVILLE ROAD
- 22 4065 NORRISVILLE ROAD
- 23 4105 NORRISVILLE ROAD
- 24 4117 NORRISVILLE ROAD
- 25 3862 NORRISVILLE ROAD
- 26 3865 NORRISVILLE ROAD
- 27 4100 NORRISVILLE ROAD
- 28 4102 NORRISVILLE ROAD
- 29 4106 NORRISVILLE ROAD
- 30 4122 NORRISVILLE ROAD
- 31 4109 CHARBONNET DRIVE
- 32 4107 CHARBONNET DRIVE
- 33 4110 CHARBONNET DRIVE
- 34 4108 CHARBONNET DRIVE
- 35 4106 CHARBONNET DRIVE
- 36 4104 CHARBONNET DRIVE
- 37 4102 CHARBONNET DRIVE
- 38 4100 CHARBONNET DRIVE



DRAFTED BY: W.A.W. (N.J.)	LOCAL AREA MAP		
CHECKED BY:	HIGH'S STORE #130 4101 NORRISVILLE ROAD MADONNA, MARYLAND		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE A, ODENTON, MD 21113		
NORTH 	SCALE IN FEET (APPROXIMATE)	DATE	FIGURE
		2-11-15	2



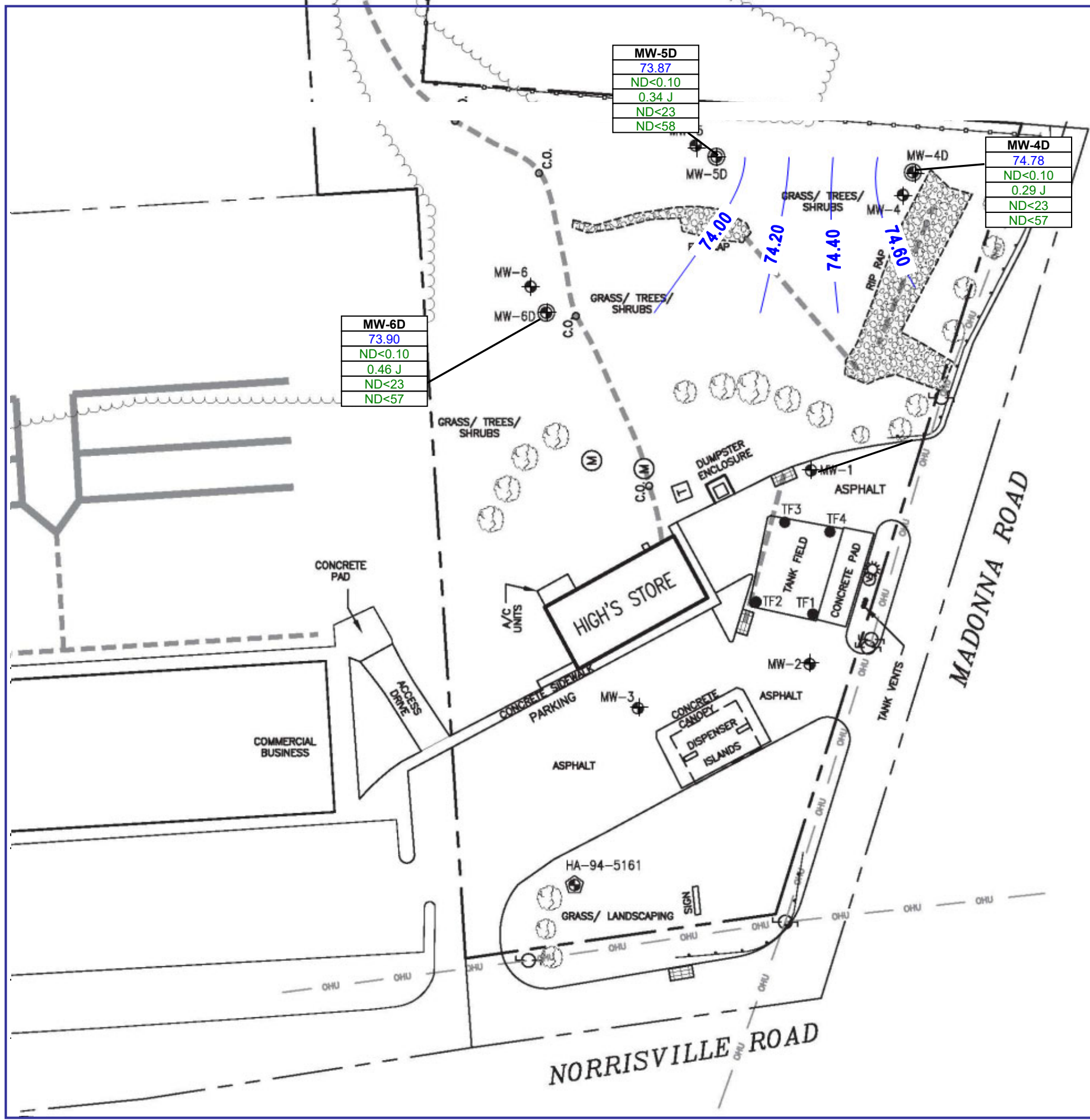
LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GUARDRAIL
- WOOD FENCE
- TREE LINE
- [Symbol] CATCH BASIN
- [Symbol] UTILITY POLE
- [Symbol] SANITARY SEWER UTILITY MANHOLE
- [Symbol] SANITARY SEWER CLEANOUT
- [Symbol] PAD MOUNTED TRANSFORMER
- [Symbol] AREA LIGHT
- [Symbol] VACUUM STATION
- [Symbol] MONITORING WELL
- [Symbol] DEEP MONITORING WELL
- [Symbol] TANK FIELD WELL
- [Symbol] POTABLE WATER SUPPLY WELL (CONFIRMED)
- OHU --- OVERHEAD UTILITY LINES
- WASTE WATER LINE TO DRAIN AREA
- SEPTIC DRAIN LINE

Sample ID	WELL IDENTIFICATION
GW Elevation	GROUNDWATER ELEVATION (Feet)
Benzene	BENZENE CONCENTRATION (µg/L)
MTBE	MTBE CONCENTRATION (µg/L)
TPH-GRO	TPH-GRO CONCENTRATIONS (µg/L)
TPH-DRO	TPH-DRO CONCENTRATIONS (µg/L)

µg/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
MTBE	METHYL TERT-BUTYL ETHER
TPH	TOTAL PHASE HYDROCARBONS
GRO	GASOLINE RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND< (#)	WHERE AN ANALYTE IS NOT DETECTED, THE REPORTING LIMIT IS GIVEN
---	GROUNDWATER CONTOUR INTERVAL (feet)
---	INFERRED CONTOUR INTERVAL (feet)
NS	NOT SAMPLED THIS EVENT
J	ESTIMATED VALUE

DRAFTED BY: PR	SHALLOW GROUNDWATER MONITORING MAP May 7, 2024		
CHECKED BY: PR	HIGH'S STORE #130 4101 NORRISVILLE ROAD MADONNA, MARYLAND		
REVIEWED BY: PR	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE H2, ODENTON, MD 21113		
NORTH	SCALE IN FEET 0 APPROXIMATE 50	DATE 5-22-2024	FIGURE 4



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GUARDRAIL
- WOOD FENCE
- TREE LINE
- [Symbol] CATCH BASIN
- [Symbol] UTILITY POLE
- [Symbol] SANITARY SEWER UTILITY MANHOLE
- [Symbol] SANITARY SEWER CLEANOUT
- [Symbol] PAD MOUNTED TRANSFORMER
- [Symbol] AREA LIGHT
- [Symbol] VACUUM STATION
- [Symbol] MONITORING WELL
- [Symbol] DEEP MONITORING WELL
- [Symbol] TANK FIELD WELL
- [Symbol] POTABLE WATER SUPPLY WELL (CONFIRMED)
- OHU --- OVERHEAD UTILITY LINES
- WASTE WATER LINE TO DRAIN AREA
- SEPTIC DRAIN LINE

Sample ID	WELL IDENTIFICATION
GW Elevation	GROUNDWATER ELEVATION (Feet)
Benzene	BENZENE CONCENTRATION (µg/L)
MTBE	MTBE CONCENTRATION (µg/L)
TPH-GRO	TPH-GRO CONCENTRATIONS (µg/L)
TPH-DRO	TPH-DRO CONCENTRATIONS (µg/L)

µg/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
MTBE	METHYL TERT-BUTYL ETHER
TPH	TOTAL PHASE HYDROCARBONS
GRO	GASOLINE RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND< (#)	WHERE AN ANALYTE IS NOT DETECTED, THE REPORTING LIMIT IS GIVEN
---	GROUNDWATER CONTOUR INTERVAL (feet)
- - -	INFERRED CONTOUR INTERVAL (feet)
J	ESTIMATED VALUE

MW-6D
73.90
ND<0.10
0.46 J
ND<23
ND<57

MW-5D
73.87
ND<0.10
0.34 J
ND<23
ND<58

MW-4D
74.78
ND<0.10
0.29 J
ND<23
ND<57

DRAFTED BY: PR	DEEP GROUNDWATER MONITORING MAP May 7, 2024		
CHECKED BY: PR	HIGH'S STORE #130 4101 NORRISVILLE ROAD MADONNA, MARYLAND		
REVIEWED BY: PR			
NORTH	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE H2, ODENTON, MD 21113		
	SCALE IN FEET	DATE	FIGURE
	 0 APPROXIMATE 50	6-17-2024	5

TABLES

Table 1

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
4101 Norrisville Road
Madonna, MD

Monitoring Well	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)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	
GW Clean-up Standards*						5.0	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5.0	47	47	80	19	
MW-5D	07/30/2015	85.95	14.90	71.05	84.45	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.7	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	08/20/2015	85.95	15.03	70.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	85.95	15.73	70.22	83.00	0.4 J	ND<0.1	0.8	0.2 J	1	0.2 J	ND<0.1	ND<0.1	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	04/28/2016	85.95	12.87	73.08	84.45	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.6	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4	ND<0.1	ND<20	67 J	ND<0.1	ND<0.2	
	10/13/2016	85.95	16.10	69.85	82.80	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.8	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4.0	ND<0.1	ND<20	240	ND<0.1	ND<0.2	
	04/28/2017	85.95	17.33	68.62	82.80	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.4	ND<0.1	ND<20	46 J	ND<0.1	ND<0.2	
	10/26/2017	85.95	17.50	68.45	82.80	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.60	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4.6	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	05/07/2018	85.95	16.12	69.83	82.80	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.1 J	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	10/25/2018	85.95	10.88	75.07	82.80	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.5	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	730	ND<0.05	ND<0.09	
	04/30/2019	85.95	7.08	78.87	82.80	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.4 J	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	140	ND<0.05	ND<0.09	
	10/18/2019	85.95	13.79	72.16	82.80	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.3 J	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.09	
	04/16/2020	85.95	13.36	72.59	82.80	ND<0.05	ND<0.07	ND<0.06	ND<0.02	0.5 J	ND<0.05	ND<0.05	ND<0.05	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.06	
	11/17/2020	85.95	15.84	70.11	82.80	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.42 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.060	
	04/26/2021	85.95	12.07	73.88	82.80	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.34 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.060	
	11/03/2021	85.95	16.20	69.75	82.80	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.40 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	360	ND<0.09	ND<0.060	
	04/26/2022	85.95	15.74	70.21	82.80	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.45 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.060	
	11/04/2022	85.95	17.10	68.85	82.80	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.48 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<56	ND<0.09	ND<0.10	
	05/08/2023	85.95	15.23	70.72	82.80	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.39 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<58	ND<0.09	ND<0.10	
11/16/2023	85.95	18.87	67.08	82.80	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.38 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<57	ND<0.09	0.12 J		
05/07/2024	85.95	12.08	73.87	82.80	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.34 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<58	ND<0.090	ND<0.10		
MW-6	07/30/2015	84.99	13.84	71.15	29.45	ND<0.1	ND<0.1	ND<0.1	ND<0.1	19	ND<0.1	5.6	0.5	0.2 J	ND<4	ND<0.1	38 J	ND<45	ND<0.1	ND<0.2	
	08/20/2015	84.99	14.34	70.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	84.99	15.49	69.50	29.40	ND<0.1	ND<0.1	ND<0.1	ND<0.1	11	ND<0.1	7.2	0.7	ND<0.1	ND<4	ND<0.1	24 J	ND<45	ND<0.1	ND<0.2	
	04/28/2016	84.99	11.90	73.09	28.95	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.9	ND<0.1	5.3	0.5	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	0.1 J	ND<0.2	
	10/13/2016	84.99	15.76	69.23	28.85	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.5	ND<0.1	3.8	0.4 J	ND<0.1	ND<4.0	ND<0.1	ND<20	86 J	0.1 J	ND<0.2	
	04/28/2017	84.99	15.97	69.02	28.85	ND<0.1	ND<0.1	ND<0.1	ND<0.1	6	ND<0.1	4.4	0.5 J	ND<0.1	ND<0.4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	10/26/2017	84.99	16.55	68.44	28.85	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.5	ND<0.1	2.00	0.2 J	ND<0.1	ND<4.7	ND<0.1	ND<20	ND<45	ND<0.1	0.2 J	
	05/07/2018	84.99	15.01	69.98	28.85	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.1	ND<0.1	1.80	0.1 J	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	10/25/2018	84.99	10.30	74.69	28.20	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.2 J	ND<0.09	0.2 J	ND<0.06	ND<0.3	ND<1.6	0.06 J	ND<11	ND<53	0.1 J	ND<0.09	
	04/30/2019	84.99	6.25	78.74	28.85	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.05 J	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	0.05 J	ND<0.09	
	10/18/2019	84.99	12.66	72.33	28.85	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.5 J	ND<0.09	0.2 J	ND<0.06	ND<0.3	ND<1.6	0.1 J	ND<11	ND<53	0.05 J	ND<0.09	
	04/16/2020	84.99	12.40	72.59	28.85	ND<0.05	ND<0.07	ND<0.06	ND<0.02	0.6	ND<0.05	0.2 J	ND<0.05	ND<0.02	ND<1.1	0.1 J	ND<23	ND<50	ND<0.09	ND<0.06	
	11/17/2020	84.99	14.77	70.22	28.85	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.32 J	ND<0.05	0.060 J	ND<0.05	ND<0.20	ND<1.1	0.12 J	ND<23	ND<59	ND<0.09	ND<0.060	
	04/26/2021	84.99	11.03	73.96	28.85	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.30 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	0.17 J	ND<23	ND<59	ND<0.09	ND<0.060	
	11/03/2021	84.99	15.08	69.91	28.85	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.28 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	0.18 J	ND<23	ND<57	ND<0.09	ND<0.060	
	04/26/2022	84.99	14.40	70.59	28.85	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.39 J	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	0.19 J	ND<23	ND<57	ND<0.09	ND<0.060	
	11/04/2022	84.99	15.87	69.12	28.85	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.45 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	0.21 J	ND<23	ND<56	ND<0.09	ND<0.10	
	05/08/2023	84.99	14.17	70.82	28.85	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.41 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	0.28 J	ND<23	ND<58	ND<0.09	ND<0.10	
11/16/2023	84.99	17.80	67.19	28.85	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.55	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	0.31 J	ND<23	ND<57	ND<0.09	ND<0.10		
05/07/2024	84.99	11.20	73.79	28.85	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.31 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<57	ND<0.090	ND<0.10		
MW-6D	07/30/2015	85.40	14.19	71.21	75.30	ND<0.1	ND<0.1	ND<0.1	ND<0.1	5.4	ND<0.1	ND<0.1	ND<0.1	0.2 J	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	08/20/2015	85.40	14.39	71.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	85.40	15.11	70.29	75.20	0.3 J	ND<0.1	0.8	0.2 J	7.5	0.3 J	ND<0.1	ND<0.1	0.2 J	ND<4	ND<0.1	ND<20	110	ND<0.1	0.3 J	
	04/28/2016	85.40	12.20	73.20	75.30	0.2 J	ND<0.1	ND<0.1	ND<0.1	1.1	ND<0.1	0.1 J	ND<0.1	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	0.3 J	
	10/13/2016	85.40	15.93	69.47	75.30	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	



Table 1

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
4101 Norrisville Road
Madonna, MD

Monitoring Well	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)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	
GW Clean-up Standards*						5.0	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5.0	47	47	80	19	
MW-6D (cont.)	04/28/2017	85.40	16.75	68.65	75.30	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.7	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.4	ND<0.1	ND<20	94 J	ND<0.1	ND<0.2	
	10/26/2017	85.40	16.58	68.82	75.30	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.5	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4.8	ND<0.1	ND<20	ND<45	ND<0.1	0.2 J	
	05/07/2018	85.40	15.40	70.00	75.30	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.5	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2	
	10/25/2018	85.40	10.24	75.16	75.30	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.5 J	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	160	ND<0.05	ND<0.09	
	04/30/2019	85.40	6.50	78.90	75.30	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.6	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.09	
	10/18/2019	85.40	12.89	72.51	75.30	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.8	ND<0.09	ND<0.05	ND<0.06	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.09	
	04/16/2020	85.40	12.65	72.75	75.30	ND<0.05	ND<0.07	ND<0.06	ND<0.02	0.8	ND<0.05	ND<0.05	ND<0.05	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.06	
	11/17/2020	85.40	15.00	70.40	75.30	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.61	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	74 J	ND<0.09	ND<0.060	
	04/26/2021	85.40	11.26	74.14	75.30	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.56	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.060	
	11/03/2021	85.40	15.10	70.30	75.30	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.58	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	210	ND<0.09	ND<0.060	
	04/26/2022	85.40	14.97	70.43	75.30	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.76	ND<0.05	ND<0.05	ND<0.05	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<56	ND<0.09	ND<0.060	
	11/04/2022	85.40	16.00	69.40	75.30	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.73	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<56	ND<0.09	ND<0.10	
	05/08/2023	85.40	14.51	70.89	75.30	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.54	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<58	ND<0.09	ND<0.10	
	11/16/2023	85.40	17.98	67.42	75.30	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.58	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<57	ND<0.09	ND<0.10	
	05/07/2024	85.40	11.50	73.90	75.30	ND<0.10	ND<0.080	ND<0.080	ND<0.070	0.46 J	ND<0.080	ND<0.10	ND<0.080	ND<0.20	ND<3.0	ND<0.20	ND<23	ND<57	ND<0.090	ND<0.10	
	TF-1	01/30/2009	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		07/20/2009	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		07/31/2010	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01/31/2011		-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
07/26/2011		-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
01/30/2012		-	12.06	-	12.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07/05/2012		-	DRY	-	12.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02/18/2013		-	DRY	-	12.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/20/2013		-	DRY	-	12.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/04/2014		-	DRY	-	12.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/22/2014		-	DRY	-	12.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05/26/2015		-	DRY	-	12.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/21/2015		-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05/19/2016		-	DRY	-	12.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/13/2016		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/28/2017		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/26/2017		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05/07/2018		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/25/2018		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/30/2019		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/18/2019		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/16/2020		-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/17/2020	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
04/26/2021	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/03/2021	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
04/26/2022	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/04/2022	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/08/2023	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/16/2023	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/07/2024	-	DRY	-	12.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Table 1

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
4101 Norrisville Road
Madonna, MD

Monitoring Well	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)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)
GW Clean-up Standards*						5.0	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5.0	47	47	80	19
TF-2	01/30/2009	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/20/2009	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/31/2010	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/31/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/26/2011	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/30/2012	-	DRY	-	11.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/05/2012	-	DRY	-	12.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/18/2013	-	DRY	-	12.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/20/2013	-	DRY	-	12.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/04/2014	-	11.95	-	12.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/22/2014	-	12.01	-	12.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/26/2015	-	DRY	-	12.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/2016	-	DRY	-	12.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/13/2016	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/28/2017	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/2017	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2018	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2018	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2019	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2019	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2020	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/17/2020	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2021	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/03/2021	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
04/26/2022	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/04/2022	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/08/2023	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/16/2023	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/07/2024	-	DRY	-	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TF-3	01/30/2012	-	12.24	-	12.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/05/2012	-	DRY	-	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/18/2013	-	DRY	-	12.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/20/2013	-	DRY	-	12.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/04/2014	-	12.75	-	12.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/22/2014	-	12.72	-	12.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/26/2015	-	DRY	-	12.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/2016	-	DRY	-	12.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/13/2016	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/28/2017	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/2017	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2018	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2018	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/30/2019	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Table 1

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
4101 Norrisville Road
Madonna, MD

Monitoring Well	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)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)
GW Clean-up Standards*						5.0	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5.0	47	47	80	19
TF-3 (cont.)	10/18/2019	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2020	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/17/2020	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2021	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/03/2021	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2022	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/04/2022	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/08/2023	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/16/2023	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05/07/2024	-	DRY	-	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TF-4	01/30/2012	-	12.43	-	12.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/05/2012	-	DRY	-	12.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/18/2013	-	12.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/20/2013	-	12.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/04/2014	-	13.03	-	13.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/22/2014	-	13.12	-	13.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/26/2015	-	12.87	-	13.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/2016	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/13/2016	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/28/2017	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/2017	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/07/2018	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/2018	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2019	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/18/2019	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2020	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/17/2020	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2021	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/03/2021	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/26/2022	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/04/2022	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/08/2023	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/16/2023	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/07/2024	-	DRY	-	13.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 1

HISTORICAL MONITORING WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
4101 Norrisville Road
Madonna, MD

Monitoring Well	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)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)
GW Clean-up Standards*						5.0	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5.0	47	47	80	19

Notes:

Please note that the top of casing for the DNR monitoring wells is not tied into the same elevations as the High's monitoring wells.

* GW Cleanup Standards are the MDE Groundwater Clean-up Standards for Type I and II Aquifers, except for TPH-GRO and TPH-DRO, which are Residential Clean-up Standards for Groundwater.

(Date)¹ = On 4/28/2016 during GES' semi-annual groundwater sampling event technician recorded MW-4D's borehole had collapsed to approximately 15 feet below the top of land surface. GES notified the MDE & corrected by re-grouting on May 19, 2016.

ND<# = Non-detect less than the method detection limit of #

µg/L = Micrograms/Liter

MTBE = Methyl Tertiary Butyl Ether

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

BTEX = Benzene, toluene, ethylbenzene, xylenes

ft = feet

- = No data available usually due to not being sampled.

NA = Not Analyzed

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

NL =No Limit

NA =Not Analyzed

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
4100 CHARBONNET	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4102 CHARBONNET	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4104 CHARBONNET	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1.22	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4106 CHARBONNET	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4107 CHARBONNET	06/21/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	2.39	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4108 CHARBONNET	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4109 CHARBONNET	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.63	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4110 CHARBONNET	06/21/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1.44	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4111 CHARBONNET	03/14/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
3921 GREENPEAK	04/18/2011**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	12.45	ND<0.5	NT	ND<0.5	ND<0.5	NT	0.57
	05/17/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	10.9	NT	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	06/25/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	14.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	09/24/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	8.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	12/12/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	12.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	18.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/07/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	12.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	08/20/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	12.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	11/11/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	12.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	03/11/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	16.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/15/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	19.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
3921 GREENPEAK-INF	06/20/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	17.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	08/22/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	20.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	17.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	12/10/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	17.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
3921 GREENPEAK-INF	01/20/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	17	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	04/17/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	21	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5	
3921 GREENPEAK-INF (cont.)	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	21	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.2 J	
	10/21/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	23	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J	
	01/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	24	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J	
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	24	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J	
	07/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	25	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J	
	10/13/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	26	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J	
	01/18/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	23	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	07/27/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	22	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	25	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	02/05/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	22	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	2.3	ND<0.5 ¹	
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	23	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/31/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	25	N<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	10/25/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.8	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.6	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.9	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	2.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	0.6	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.1 J
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	0.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.40 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.39 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/17/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.33 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.39 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	04/26/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.33 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	08/05/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.29 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/03/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.35 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.29 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	04/26/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.33 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	08/15/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.38 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	0.11 J
	11/04/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.32 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.26 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
05/08/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.25 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
07/26/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.28 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
11/16/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.17 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
01/18/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.16 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
05/07/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.17 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5	
3921 GREENPEAK-MID	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	12/10/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	01/20/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	04/17/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	10/21/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	07/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	10/13/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/18/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	07/27/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	02/05/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	ND<2.0 ¹	ND<0.5 ¹
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/31/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/25/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/17/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	04/26/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	08/05/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/03/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
04/26/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
08/15/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
11/04/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5	
3921 GREENPEAK-MID (cont.)	01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	05/08/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	07/26/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	11/16/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	01/18/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	05/07/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
3921 GREENPEAK-EFF	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	12/10/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	01/20/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	04/17/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	10/21/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	07/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	10/13/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/18/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	07/27/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	02/05/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	2.2	ND<0.5 ¹
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/31/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	N<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/25/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/17/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	04/26/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	08/05/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/03/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
04/26/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
3921 GREENPEAK-EFF (cont.)	08/15/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/04/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	05/08/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	07/26/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/16/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/18/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	05/07/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
3922 GREENPEAK-INF	08/27/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	6.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	03/13/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	7.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	04/12/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	15	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	07/22/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	8.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	12/06/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	5.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<0.5
	03/27/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	6.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	06/25/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	7.06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	09/24/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	4.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	12/12/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	5.94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	10.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/17/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	6.66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	08/20/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	7.83	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	11/11/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	7.16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	03/04/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	6.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/15/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	9.24	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	06/13/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	7.93	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	09/18/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	7.43	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	6.64	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	02/19/2015	ND<0.1	0.2 J	ND<0.1	ND<0.1	8.3	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	05/26/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	8.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.7	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	11/19/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	8.7	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	NA	7.9	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/13/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.6	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	8.0	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.4	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/27/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	6.4	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	6.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
03/23/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.0	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.3	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
07/31/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	8.8	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5	
3922 GREENPEAK-INF (cont.)	10/24/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	7.8	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	5.8	ND<0.2	ND<0.1	ND<0.1	4.3 J	ND<0.1	ND<0.1	
	04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	6.9	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	6.0	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	11/07/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	6.3	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	6.0	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	3.5	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	2.2	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	11/17/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	2.6	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	3.1	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	05/13/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.6	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	08/05/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.1	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	11/03/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.4	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	04/26/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.99	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	05/07/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.68	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	08/30/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.2	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	11/04/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.74	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.1	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
	05/08/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.62	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
01/18/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.64	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10		
05/07/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.68	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10		
3923 GREENPEAK	04/18/2011**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.57	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5	
	07/03/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	3.26	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5	
3924 GREENPEAK	04/12/2011**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.59	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5	
	06/21/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1.72	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5	
3925 GREENPEAK	06/22/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5	
3908 MADONNA	08/27/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NT	
	04/12/2011**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	03/27/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	10/30/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	02/19/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	02/15/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	02/20/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	02/05/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	ND<2.0 ¹	ND<0.5 ¹
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
3908 MADONNA (cont.)	01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/18/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
3911 MADONNA	08/27/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<0.5
	06/21/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
3914 MADONNA-INF	04/29/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	41	ND<0.5	NA	ND<0.5	ND<0.5	NA	ND<0.5
	06/06/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	58.1	ND<0.5	NA	ND<0.5	ND<0.5	NA	ND<0.5
	08/27/2008	NT	NT	NT	NT	57	NT	NT	NT	NT	NT	NT
	09/11/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	10/28/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	46	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	11/25/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	12/28/2008	NT	NT	NT	NT	46	NT	NT	NT	NT	NT	NT
	12/30/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	40	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	03/13/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	47	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	06/25/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	34	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	08/10/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	40	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	11/02/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	02/22/2010	NT	NT	NT	NT	3.4	NT	NT	NT	NT	NT	NT
	07/28/2010	ND<0.5	ND<0.5	ND<0.5	ND<1.5	72	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT
	01/07/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	36.5	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT
	04/12/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	42	ND<0.5	ND<0.5	ND<0.5	ND	8.4	NT
	07/22/2011	NT	NT	NT	NT	43.8	NT	NT	NT	NT	NT	NT
	12/06/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT
	03/27/2012	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	06/25/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	37.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	09/24/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	10/17/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	30.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	12/12/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	44.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/07/2013	ND<0.5	0.53	ND<0.5	ND<1	24.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	08/20/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	36	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	12/09/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	45	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	03/04/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/15/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	29.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	08/22/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	42.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	05/26/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	29	ND<0.2	ND<0.1	ND<0.1	0.1 J	ND<2.5	ND<0.1
	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	26	ND<0.2	ND<0.1	ND<0.1	0.1 J	ND<2.5	ND<0.1
	11/19/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	30	ND<0.2	ND<0.1	ND<0.1	0.1 J	ND<2.5	ND<0.1
03/09/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	24	ND<0.2	ND<0.1	ND<0.1	0.1 J	ND<2.5	ND<0.1	
04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	25	ND<0.2	ND<0.1	ND<0.1	ND<0.1	6.1 J	ND<0.1	
08/16/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	22	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
10/18/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	12	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
3914 MADONNA-INF (cont.)	01/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	11	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	6.3	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	09/06/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	4.0	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.7	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	02/27/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	3.1	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	0.78 J	ND<0.5 ¹
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.8	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/28/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.4	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	12/13/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	02/28/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.9	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	1.9	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	1.6	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	2.2	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.3	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.97	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/17/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.1	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.7	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	06/10/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.0	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	08/05/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.78	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/03/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.80	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.68	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	08/15/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	1.5	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	11/04/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.82	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.60	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	05/08/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.55	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	07/26/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.58	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
05/07/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.32 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
3914 MADONNA-MID	09/11/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	10/28/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	11/25/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	12/30/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	03/13/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	06/25/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	08/10/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	45	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	11/02/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	02/22/2010	NT	NT	NT	NT	0.6	NT	NT	NT	NT	NT	NT
	07/28/2010	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.4	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5	
3914 MADONNA-MID (cont.)	01/07/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT	
	04/12/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT	
	07/22/2011	NT	NT	NT	NT	2.2	NT	NT	NT	NT	NT	NT	
	12/06/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT	
	03/27/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	06/25/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	1.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	09/24/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	27	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	10/17/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	12/12/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	05/07/2013	ND<0.5	0.61	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	08/20/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	12/09/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	03/04/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	05/15/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	1.04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	08/22/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	05/26/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	11/19/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.2 J	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	03/09/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/16/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/18/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	5.5	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	09/06/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	02/27/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	0.78 J	ND<0.5 ¹
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/28/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.70	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	12/13/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	02/28/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
10/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1	
06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.12 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
3914 MADONNA-EFF	08/27/2008	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT
	09/11/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	10/28/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	11/25/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	12/30/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	03/13/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	06/25/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	08/10/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	11/02/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NT
	02/22/2010	NT	NT	NT	NT	1.9	NT	NT	NT	NT	NT	NT
	07/28/2010	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND
	01/07/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND
	04/12/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND
	07/22/2011	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT
	12/06/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	30.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND
	01/30/2012	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	03/27/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	06/25/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	09/24/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	10/17/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	12/12/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	05/07/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	08/20/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	12/09/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	03/04/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	05/15/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	08/22/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	11/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5
	05/26/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5
	07/30/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5
	11/19/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5
	03/09/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5
04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
08/16/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
10/18/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
01/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
04/28/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
09/06/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
10/26/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	
02/27/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	0.86 J	ND<0.5 ¹

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
3914 MADONNA-EFF (cont.)	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/28/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	12/13/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	02/28/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	08/15/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	10/30/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	06/23/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
	09/01/2020	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
3919 MADONNA-INF HA-70-0551	04/12/2005**	ND	ND	ND	ND	16.2	NT	NT	NT	NT	NT	NT
	06/24/2005**	ND	ND	ND	ND	10.8	NT	NT	NT	NT	NT	NT
	11/16/2007**	ND	ND	ND	ND	20.7	NT	NT	NT	NT	NT	NT
	03/21/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	23.3	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
	07/11/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	22.4	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
	06/01/2009**	ND	ND	ND	ND	20.5	ND	ND	ND	ND	ND	ND
	07/10/2009**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	26.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
	08/21/2009**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	21.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
	09/15/2009**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
	04/30/2010**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
	09/17/2010**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15.1	ND	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
	12/22/2010**	ND	ND	ND	ND	10.5	ND	NT	NT	NT	NT	NT
	01/07/2011**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
	04/18/2011**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	27.76	ND<0.5	ND<0.5	NT	ND<0.5	NT	ND<0.5
07/06/2011**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	
09/30/2011**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	
3919 MADONNA-MID	09/15/2009**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	04/30/2010**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	09/17/2010**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	12/22/2010**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	01/07/2011**	NT	NT	NT	NT	ND<0.5	NT	NT	NT	NT	NT	NT
	04/18/2011**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/06/2011**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	09/30/2011**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5
3919 MADONNA-EFF	09/15/2009**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	04/30/2010**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	09/17/2010**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	12/22/2010**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	01/07/2011**	NT	NT	NT	NT	ND<0.5	NT	NT	NT	NT	NT	NT
	04/18/2011**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/06/2011**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	09/30/2011**	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
	3919 MADONNA (NEW)	03/16/2012**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10
02/06/2013**		ND	10.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/30/2014		ND<0.5	0.760	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
3922 MADONNA	06/06/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	1.39
	04/14/2011**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	0.88
	03/27/2012	ND<0.5	ND<0.5	ND<0.5	ND<1	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	3.03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.64
	03/25/2014	ND<0.5	ND<0.5	ND<0.5	ND<1	2.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.58
	05/26/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	5.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.5
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	6.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.5
	01/18/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	5.0	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.5
	02/27/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	0.84 J	0.50
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.5 J
	02/13/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	0.1 J	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	0.4 J
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.12 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	0.37 J
	02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.12 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	0.31 J
	07/26/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.50	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.6	0.30 J
	05/13/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	0.25 J
3923 MADONNA	08/19/2008**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.59
3928 MADONNA	04/14/2011**	ND<0.1	ND<0.1	ND<0.1	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
	06/21/2017**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	ND<0.5
4065 NORRISVILLE	04/29/2008	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT
	05/16/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	NT
	06/27/2008**	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	ND<0.5	ND<0.5	NT	NT
	07/08/2008	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diisopropyl ether (µg/L)	Ethyl tert-butyl ether (µg/L)	Tert-amyl methyl ether (µg/L)	Tert-Butyl Alcohol (µg/L)	Tetrachloroethene (µg/L)	
MDE GW Clean-up Standards*		5	1,000	700	10,000	20	0.17	NL	NL	NL	NL	5	
4101 NORRISVILLE (ONSITE SUPPLY WELL)	06/15/2005	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	NT	NT	NT	NT	
	12/28/2005	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	NT	NT	NT	NT	NT	
	06/15/2006	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	01/17/2007	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	07/31/2007	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	01/23/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	07/24/2008	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<0.5	
	01/30/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	02/18/2009	NT	NT	NT	NT	1.99	NT	NT	NT	NT	NT	NT	
	07/20/2009	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	03/01/2010	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	07/31/2010	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	01/31/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	04/14/2011	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	
	05/02/2011	NT	NT	NT	NT	3.04	NT	NT	NT	NT	NT	NT	
	07/26/2011	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NT	
	01/30/2012	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<0.5	
	02/18/2013	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	03/04/2014	ND<0.5	1.04	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	
	07/08/2015	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	04/28/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.3	0.1 J	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/18/2017	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.1 J	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	02/05/2018	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<0.5 ¹	ND<3.0 ¹	ND<3.0 ¹	1.9 J	ND<0.5 ¹
	01/29/2019	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.1 J	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/29/2020	ND<0.1	ND<0.1	ND<0.1	ND<0.3	0.2 J	ND<0.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<2.5	ND<0.1
	01/14/2021	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.11 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10
02/09/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
01/31/2023	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
01/18/2024	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10	
4105 NORRISVILLE	09/07/1993**	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	
	10/25/1995**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	07/24/1996**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	08/18/2009**	NT	NT	NT	NT	1.99	NT	NT	NT	NT	NT	NT	
	05/02/2011**	NT	NT	NT	NT	3.04	NT	NT	NT	NT	NT	NT	

Table 2
HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
 4101 Norrisville Road
 Madonna, MD

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

Notes:

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

ND<# = Less than the method detection limit of #

ND<#¹ = Less than the reporting limit of #

ND = Non-Detect

µg/L = Micrograms/Liter

MTBE = Methyl Tertiary Butyl Ether

- = No data available

NA = Not Analyzed

NT = Not Tabulated

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

NL = No Limit

(Date)** = Analytical Data for the particular date was obtained from Harford County's Health Department.

Table 3

MONITORING WELL SPECIFICATIONS SUMMARY

High's Store #130
 4101 Norrisville Road
 Madonna, MD

Monitoring Well	Well Permit #	Date Well Completed	Well Diameter (inches)	Total Depth of Well (feet)	DTB of Casing from Ground Surface (feet)	TOS from Ground Surface (feet)	BOS from Ground Surface (feet)
MW-1	HA-94-7037	6/27/2005	4	33	10	10	33
MW-2	HA-94-7038	6/27/2005	4	38	8	8	38
MW-3	HA-94-7039	6/27/2005	4	40	9	9	40
MW-4	HA-15-0087	7/2/2015	2	32	12	12	32
MW-4D	HA-15-0086	6/29-7/1/2015	2	93	83	83	93
MW-5	HA-15-0085	7/9/2015	2	30	12	12	30
MW-5D	HA-15-0084	7/6-7/8/2015	2	85	75	75	85
MW-6	HA-15-0083	7/14/2015	2	30	12	12	30
MW-6D	HA-15-0082	7/10-7/13/2015	2	75	65	65	75

Notes:

BOS = Bottom of screen

DTB = Depth to bottom

TOS = Top of screen





APPENDIX A

Historical Activities Summary



HISTORICAL ACTIVITY SUMMARY

1992	Four underground storage tanks (UST) were installed: one 10,000-gallon gasoline, two 8,000-gallon gasoline, and one 10,000-gallon compartmentalized diesel/kerosene.
6/2005	Three monitoring wells were installed pursuant to the new MTBE emergency regulations (COMAR 26.10.02).
9/28/05	The MDE-OCP received electronic notification from High's consultants of preliminary groundwater sampling data collected at 18 facilities operated by High's of Baltimore. The preliminary data included sampling results for the onsite drinking water well and monitoring well network located at Madonna High's No. 130.
11/30/2005	The MDE-OCP issued a directive letter to High's requiring to perform UST vapor leak testing, UST system self-audit, conduct semiannual sampling of all monitoring wells and tank field monitoring pipes, conduct semiannual sampling of the onsite supply well and perform a half-mile drinking water well survey.
1/24/2006	The MDE-OCP received the storage system test results, well receptor survey, and well sampling results.
2/8/2006	The MDE-OCP received additional well receptor survey information.
11/13/2006	The MDE-OCP received the storage system test results.
2/5/2007	The MDE-OCP issues Official Notice requiring UST inspection by certified UST inspector within 30 days.
3/16/2007	The MDE-OCP received the results of the spill basin and containment sump testing, performed 07/21/06. All spill basins and containment sumps passed.
12/24/2007	The MDE-OCP received the results of the spill basin performed 12/20/07. All spill basins passed.
6/27/2008	High's of Baltimore submits correspondence titled <i>Request for Reduction of Sampling Parameters</i> to MDE-OCP.
7/18/2008	Based on the results in <i>Adjacent Well Sampling Event</i> , the MDE-OCP required that a granular activated carbon (GAC) filtration system be installed at 3914 Madonna Rd by August 2008.
10/8/2008	The MDE-OCP issues correspondence titled <i>Reduction in Sampling Parameters Denied</i> .
3/24/2009	The MDE-OCP issues <i>Request for Subsurface Investigation</i> directive to the DNR Ranger Station facility located at 3919 Madonna Rd, Jarrettsville, MD.
1/7/2010	The MDE-OCP issues <i>Official Notice</i> requiring UST inspection by certified UST inspector within 30 days.
6/22/2010	The MDE-OCP issues correspondence to the 3919 Madonna Rd DNR Ranger Facility requesting an additional monitoring well at the property.
12/13/2010	The MDE-OCP issues a <i>Site Status Letter</i> regarding determinations made from recent investigations at both the High's Store #130 and the 3919 Madonna Rd DNR Ranger Station. High's of Baltimore identified as responsible party for petroleum impacts at the 3914 and 3922 Madonna Rd and 3922 Greenpeak Rd properties.
4/2011	The Harford County Health Department collects additional water samples in the area including the 3921 Greenpeak Rd residence.
5/17/2011	MDE grants Freedom of Information Act (FOIA) request to Nutshell Enterprises, regarding the Madonna Rd State Tower (DNR Ranger facility).
2/17/2012	The MDE-OCP issues a <i>Site Status Letter</i> directing High's of Baltimore to continue the following: maintaining the GAC filtration system operation, quarterly sampling (and maintenance as needed) of the 3914 Madonna Rd carbon system, quarterly sampling at the 3921 Greenpeak Rd residence, annual sampling of the High's Store #130 onsite supply well, and semiannual sampling of the monitoring well network and tank field wells.



HISTORICAL ACTIVITY SUMMARY (CONT.)

3/16/2012	GES assumes role as environmental consultant for the project on behalf of High's of Baltimore.
5/15/2012	The MDE-OCP provides clarification via email correspondence regarding a required quarterly sampling frequency for the 3922 Greenpeak Rd residence.
7/23/2012	A carbon change out was performed on the 3914 Madonna Rd GAC filtration unit.
5/28/2013	A carbon change out was performed on the 3914 Madonna Rd GAC filtration unit.
5/27/2014	A carbon change out was performed on the 3914 Madonna Rd GAC filtration unit.
8/22/2014	MTBE concentrations exceeded the MDE action level of 20 ug/l at 3921 Greenpeak Rd.
9/23/2014	The MDE issued a directive letter requiring the installation of a GAC filtration system at 3921 Greenpeak Rd no later than October 30, 2014 and to commence monthly sampling of the GAC filtration system before November 15, 2014 for a three month duration.
10/6/2015	GES received acknowledgement from the MDE for its request for information under the Public Information Act (PIA) regarding potable well locations in site's local vicinity.
10/30/2014	Signed Access Agreement received from the property owner of 3921 Greenpeak Rd.
11/11/2014	GAC filtration system installed at 3921 Greenpeak Rd; monthly sampling initiated for a three-month duration (November/December/January) and then resumed to a quarterly frequency.
2/24/2015	<i>Site Investigation Work Plan</i> submitted to MDE outlining installation of three pairs of 2-inch monitoring wells (MWs) (1 shallow and 1 deep for each MW pair).
4/17/2015	Onsite meeting with High's and the MDE occurred to discuss the proposed monitoring well locations presented in the <i>Site Investigation Work Plan</i> .
5/28/2015	MDE issues <i>Site Investigation Work Plan</i> approval.
6/29/2015	Monitoring well installations begin.
7/15/2015	Monitoring well installations and developments are completed.
7/30/2015	New monitoring wells MW-4, 4D, 5, 5D, 6 and 6D are sampled.
9/11/2015	GES submits the <i>Site Investigation Report</i> to the MDE for the newly installed wells.
12/14/2015	A carbon change out was performed on the 3914 Madonna Rd GAC filtration unit.
4/6/2016	GES receives phone call from the MDE requesting an expanded volatile organic compound (VOC) results list with EPA Method 524.2
5/6/2016	GES informs the MDE that grout settlement was noted in MW-4D by the GES technician during the semi-annual groundwater sampling event.
5/19/2016	GES supervises the re-grouting of MW-4D by Allied Environmental Services.
6/2/2016	GES visits the site and notes that well MW-4D grout has settled an additional few feet since the initial repair by Allied.
6/23/2016	GES returns to the site and re-grout's MW-4D casing to just below grade.
8/16/2016	GES returns to the Site and re-grout's MW-4D casing to just below grade.
8/16/2016	GES receives <i>Sampling Change Approval – September 13, 2016</i> directive from the MDE, approving GES' reduced "target" EPA 524.2 VOCs list.
12/8/2016	GES submits the <i>2nd Semi-Annual 2016 Monitoring Report & Conceptual Site Model</i> to the MDE.
3/21/2017	A carbon change out was performed on the 3914 Madonna Rd GAC filtration unit.
5/16/2017	The MDE issues <i>Request for Continued Sampling</i> letter dated May 16, 2017 in response to the <i>2nd Semi-Annual 2016 Monitoring Report & Conceptual Site Model</i> .
6/9/2017	GES requests and is granted a two-week extension for submission of <i>1st Semi-annual 2017 Monitoring Report</i> originally due to the MDE on June 12, 2017.
6/22/2017	GES submits the <i>1st Semi-Annual 2017 Monitoring Report</i> to the MDE.
12/8/2017	GES submits the <i>2nd Semi-Annual 2017 Monitoring Report</i> to the MDE.
12/13/2017	GES receives <i>Request for Cooperative Sampling – December 13, 2017</i> .



HISTORICAL ACTIVITY SUMMARY (CONT.)

3/5/2018 A carbon change out was performed on the 3921 Greenpeak Rd. GAC filtration unit.
6/20/2018 GES submits the *1st Semi-Annual 2018 Monitoring Report* to the MDE.
11/28/2018 GES submits the *2nd Semi-Annual 2018 Monitoring Report* to the MDE.
12/10/2018 A carbon change out was performed on the 3914 Madonna Rd. GAC filtration unit.
6/14/2019 GES submits the *1st Semi-Annual 2019 Monitoring Report* to the MDE.
7/25/2019 A carbon change out was performed on the 3914 Madonna Rd. GAC filtration unit.
11/18/2019 A carbon change out was performed on the 3914 Madonna Rd. GAC filtration unit.
11/7/2019 GES submits the *2nd Semi-Annual 2019 Monitoring Report* to the MDE.
1/10/2020 GES submits the *Request for Release of POET Maintenance Responsibility 3914 Madonna Road* to the MDE.
5/29/2020 GES submits the *1st Semi-Annual 2020 Monitoring Report* to the MDE
6/17/2020 GES receives *Approval of Trial POET Removal and Continued Sampling at 3914 Madonna Road – June 3, 2020*
6/24/2020 GES sends 3914 Madonna Road property owner correspondence titled *Water Filtration System Offer of Ownership or Removal*
12/20/2020 GES submits the *2nd Semi-Annual 2020 Monitoring Report* to the MDE
6/10/2021 GES submits the *1st Semi-Annual 2021 Monitoring Report* to the MDE
12/16/2021 GES submits the *2nd Semi-Annual 2021 Monitoring Report* to the MDE
6/10/2022 GES submits the *1st Semi-Annual 2022 Monitoring Report* to the MDE
1/31/2023 GES completes POET and potable well sampling
5/8/2023 GES completes 1st Semi-Annual 2023 sampling event
6/26/2023 GES submits the *1st Semi-Annual 2023 Monitoring Report* to the MDE
7/26/2023 GES completes POET and potable well sampling
11/16/2023 GES completes 2nd Semi-Annual 2023 sampling event
12/23/2023 GES is granted an MDE extension for submission of the 2nd Semi-Annual 2023 Monitoring Report to Jan., 31, 2024
1/31/2024 GES submits the *2nd Semi-Annual 2023 Monitoring Report* to the MDE
3/8/2024 GES submits the *Request for Case Closure Report* to the MDE
5/7/2024 GES completes 1st Semi-Annual 2024 sampling event



APPENDIX B

Laboratory Reports and Chain of Custody Documentation

Eurofins Lancaster Laboratories

ID Numbers:

410-171106-1

410-171107-1

410-172347-1

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Peter Reichardt
Groundwater & Environmental Services Inc
1350 Blair Drive
Suite H-2
Odenton, Maryland 21113

Generated 5/22/2024 3:33:39 AM

JOB DESCRIPTION

Carroll Madonna

JOB NUMBER

410-171106-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated
5/22/2024 3:33:39 AM

Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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.

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.





Table of Contents

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	6
Detection Summary	7
Client Sample Results	8
Surrogate Summary	26
QC Sample Results	28
QC Association Summary	36
Lab Chronicle	38
Certification Summary	40
Method Summary	42
Sample Summary	43
Chain of Custody	44
Receipt Checklists	45

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171106-1

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.
S1+	Surrogate recovery exceeds control limits, high biased.

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
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: Carroll Madonna

Job ID: 410-171106-1

Job ID: 410-171106-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-171106-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt

The samples were received on 5/8/2024 6:08 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 2.3°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 410-507860 recovered outside acceptance criteria, low biased, for 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 the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-1 (410-171106-1), MW-2 (410-171106-2), MW-3 (410-171106-3), MW-4 (410-171106-4), MW-4D (410-171106-5), MW-5 (410-171106-6), MW-5D (410-171106-7), MW-6 (410-171106-8) and MW-6D (410-171106-9). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260C_LL: Surrogate recovery for the following sample was outside the upper control limit: MW-5 (410-171106-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C_LL: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: MW-6 (410-171106-8). The requested target analyte list includes Acrylonitrile, an acid-labile compound that degrades in an acidic medium.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-508366 recovered outside acceptance criteria, low biased, for Bromomethane, Chloromethane, Chloroethane, Vinyl chloride, Trichlorofluoromethane, Dichlorodifluoromethane 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.

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: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-1

Lab Sample ID: 410-171106-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.26	J	0.50	0.20	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	1.1		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 410-171106-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.57		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 410-171106-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.92		0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 410-171106-4

No Detections.

Client Sample ID: MW-4D

Lab Sample ID: 410-171106-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.29	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 410-171106-6

No Detections.

Client Sample ID: MW-5D

Lab Sample ID: 410-171106-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.34	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 410-171106-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.31	J	0.50	0.080	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-6D

Lab Sample ID: 410-171106-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.46	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: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-1

Lab Sample ID: 410-171106-1

Date Collected: 05/07/24 14:20

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 13:43	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 13:43	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 13:43	1
Tetrachloroethene	0.26	J	0.50	0.20	ug/L			05/19/24 13:43	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Methyl tertiary butyl ether	1.1		0.50	0.080	ug/L			05/19/24 13:43	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 13:43	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 13:43	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 13:43	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 13:43	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 13:43	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 13:43	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 13:43	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 13:43	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-1

Lab Sample ID: 410-171106-1

Date Collected: 05/07/24 14:20

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 13:43	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 13:43	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 13:43	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 13:43	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 13:43	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 13:43	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 13:43	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120					05/19/24 13:43	1
Dibromofluoromethane (Surr)	112		80 - 120					05/19/24 13:43	1
4-Bromofluorobenzene (Surr)	89		80 - 120					05/19/24 13:43	1
Toluene-d8 (Surr)	101		80 - 120					05/19/24 13:43	1

Method: SW846 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			05/10/24 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	103		63 - 135					05/10/24 18:53	1

Method: SW846 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		05/11/24 06:52	05/13/24 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	115		37 - 153				05/11/24 06:52	05/13/24 21:29	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-2

Lab Sample ID: 410-171106-2

Date Collected: 05/07/24 14:50

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 14:05	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 14:05	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 14:05	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 14:05	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Methyl tertiary butyl ether	0.57		0.50	0.080	ug/L			05/19/24 14:05	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 14:05	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 14:05	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 14:05	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 14:05	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 14:05	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 14:05	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:05	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 14:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-2

Lab Sample ID: 410-171106-2

Date Collected: 05/07/24 14:50

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 14:05	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 14:05	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 14:05	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 14:05	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 14:05	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 14:05	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:05	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 120					05/19/24 14:05	1
Dibromofluoromethane (Surr)	112		80 - 120					05/19/24 14:05	1
4-Bromofluorobenzene (Surr)	90		80 - 120					05/19/24 14:05	1
Toluene-d8 (Surr)	101		80 - 120					05/19/24 14:05	1

Method: SW846 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			05/10/24 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	103		63 - 135					05/10/24 19:19	1

Method: SW846 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		05/11/24 06:52	05/13/24 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	110		37 - 153				05/11/24 06:52	05/13/24 21:53	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-3

Lab Sample ID: 410-171106-3

Date Collected: 05/07/24 15:20

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 14:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 14:27	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 14:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 14:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Methyl tertiary butyl ether	0.92		0.50	0.080	ug/L			05/19/24 14:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 14:27	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 14:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 14:27	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 14:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 14:27	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 14:27	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 14:27	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-3

Lab Sample ID: 410-171106-3

Date Collected: 05/07/24 15:20

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 14:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 14:27	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 14:27	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 14:27	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 14:27	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 14:27	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 120		05/19/24 14:27	1
Dibromofluoromethane (Surr)	112		80 - 120		05/19/24 14:27	1
4-Bromofluorobenzene (Surr)	88		80 - 120		05/19/24 14:27	1
Toluene-d8 (Surr)	101		80 - 120		05/19/24 14:27	1

Method: SW846 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			05/10/24 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	104		63 - 135		05/10/24 19:44	1

Method: SW846 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		05/11/24 06:52	05/13/24 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	101		37 - 153	05/11/24 06:52	05/13/24 22:17	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-4

Lab Sample ID: 410-171106-4

Date Collected: 05/07/24 11:30

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 14:50	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 14:50	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 14:50	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 14:50	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 14:50	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 14:50	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 14:50	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 14:50	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 14:50	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 14:50	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 14:50	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 14:50	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-4

Lab Sample ID: 410-171106-4

Date Collected: 05/07/24 11:30

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 14:50	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 14:50	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 14:50	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 14:50	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 14:50	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 14:50	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 14:50	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 120					05/19/24 14:50	1
Dibromofluoromethane (Surr)	110		80 - 120					05/19/24 14:50	1
4-Bromofluorobenzene (Surr)	88		80 - 120					05/19/24 14:50	1
Toluene-d8 (Surr)	101		80 - 120					05/19/24 14:50	1

Method: SW846 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			05/10/24 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	105		63 - 135					05/10/24 20:09	1

Method: SW846 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		05/11/24 06:52	05/13/24 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	109		37 - 153				05/11/24 06:52	05/13/24 22:41	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-4D

Lab Sample ID: 410-171106-5

Date Collected: 05/07/24 11:45

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 15:12	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 15:12	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 15:12	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 15:12	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Methyl tertiary butyl ether	0.29	J	0.50	0.080	ug/L			05/19/24 15:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 15:12	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 15:12	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 15:12	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 15:12	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 15:12	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 15:12	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:12	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 15:12	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-4D

Lab Sample ID: 410-171106-5

Date Collected: 05/07/24 11:45

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 15:12	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 15:12	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 15:12	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 15:12	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 15:12	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 15:12	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:12	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 120					05/19/24 15:12	1
Dibromofluoromethane (Surr)	114		80 - 120					05/19/24 15:12	1
4-Bromofluorobenzene (Surr)	89		80 - 120					05/19/24 15:12	1
Toluene-d8 (Surr)	101		80 - 120					05/19/24 15:12	1

Method: SW846 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			05/10/24 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135					05/10/24 20:34	1

Method: SW846 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		05/11/24 06:52	05/13/24 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	116		37 - 153				05/11/24 06:52	05/13/24 23:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-5

Lab Sample ID: 410-171106-6

Date Collected: 05/07/24 12:30

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 15:34	1
cis-1,3-Dichloropropene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
trans-1,3-Dichloropropene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Ethylbenzene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Styrene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,4-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,2-Dibromoethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,1-Dichloropropene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
1,2-Dichloroethane	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,2,3-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,2,3-Trichloropropane	ND	cn	1.0	0.10	ug/L			05/19/24 15:34	1
Toluene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Chlorobenzene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,2,4-Trimethylbenzene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
Dibromochloromethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Xylenes, Total	ND	cn	1.0	0.070	ug/L			05/19/24 15:34	1
Tetrachloroethene	ND	cn	0.50	0.20	ug/L			05/19/24 15:34	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Methyl tertiary butyl ether	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,3,5-Trimethylbenzene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,3-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,3-Dichloropropane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Chloroform	ND	cn	0.50	0.090	ug/L			05/19/24 15:34	1
Benzene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
1,1,1-Trichloroethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Bromomethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Chloromethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Chloroethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
2,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			05/19/24 15:34	1
Carbon disulfide	ND	cn	1.0	0.10	ug/L			05/19/24 15:34	1
Bromoform	ND	cn	1.0	0.30	ug/L			05/19/24 15:34	1
Bromodichloromethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,1-Dichloroethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
2-Chlorotoluene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Trichlorofluoromethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
4-Chlorotoluene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Dichlorodifluoromethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
1,1,2-Trichloroethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 15:34	1
Trichloroethene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
1,1,1,2-Tetrachloroethane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
1,2-Dichlorobenzene	ND	cn	0.50	0.070	ug/L			05/19/24 15:34	1
1,2-Dibromo-3-Chloropropane	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-5

Lab Sample ID: 410-171106-6

Date Collected: 05/07/24 12:30

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 15:34	1
Bromochloromethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Isopropylbenzene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Dibromomethane	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
Ethyl t-butyl ether	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Hexachlorobutadiene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
Naphthalene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
n-Butylbenzene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
N-Propylbenzene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
p-Isopropyltoluene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
sec-Butylbenzene	ND	cn	0.50	0.10	ug/L			05/19/24 15:34	1
t-Amyl methyl ether	ND	cn	0.50	0.20	ug/L			05/19/24 15:34	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 15:34	1
tert-Butylbenzene	ND	cn	0.50	0.080	ug/L			05/19/24 15:34	1
trans-1,4-Dichloro-2-butene	ND	cn	5.0	2.0	ug/L			05/19/24 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121	S1+ cn	80 - 120		05/19/24 15:34	1
Dibromofluoromethane (Surr)	114	cn	80 - 120		05/19/24 15:34	1
4-Bromofluorobenzene (Surr)	88	cn	80 - 120		05/19/24 15:34	1
Toluene-d8 (Surr)	101	cn	80 - 120		05/19/24 15:34	1

Method: SW846 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			05/10/24 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	103		63 - 135		05/10/24 20:59	1

Method: SW846 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		05/11/24 06:52	05/13/24 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	113		37 - 153	05/11/24 06:52	05/13/24 23:29	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-5D

Lab Sample ID: 410-171106-7

Date Collected: 05/07/24 12:45

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 15:57	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 15:57	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 15:57	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 15:57	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Methyl tertiary butyl ether	0.34	J	0.50	0.080	ug/L			05/19/24 15:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 15:57	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 15:57	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 15:57	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 15:57	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 15:57	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 15:57	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 15:57	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 15:57	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-5D

Lab Sample ID: 410-171106-7

Date Collected: 05/07/24 12:45

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 15:57	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 15:57	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 15:57	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 15:57	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 15:57	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 15:57	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 15:57	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 120		05/19/24 15:57	1
Dibromofluoromethane (Surr)	114		80 - 120		05/19/24 15:57	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/19/24 15:57	1
Toluene-d8 (Surr)	101		80 - 120		05/19/24 15:57	1

Method: SW846 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			05/10/24 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	105		63 - 135		05/10/24 21:24	1

Method: SW846 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		05/11/24 06:52	05/13/24 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	118		37 - 153	05/11/24 06:52	05/13/24 23:53	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-6

Lab Sample ID: 410-171106-8

Date Collected: 05/07/24 13:30

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/20/24 23:24	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Styrene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/20/24 23:24	1
Toluene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/20/24 23:24	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/20/24 23:24	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
Methyl tertiary butyl ether	0.31	J	0.50	0.080	ug/L			05/20/24 23:24	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Chloroform	ND		0.50	0.090	ug/L			05/20/24 23:24	1
Benzene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Bromomethane	ND	cn	0.50	0.10	ug/L			05/20/24 23:24	1
Chloromethane	ND	cn	0.50	0.10	ug/L			05/20/24 23:24	1
Chloroethane	ND	cn	0.50	0.10	ug/L			05/20/24 23:24	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/20/24 23:24	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			05/20/24 23:24	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/20/24 23:24	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/20/24 23:24	1
Bromoform	ND		1.0	0.30	ug/L			05/20/24 23:24	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/20/24 23:24	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
Trichlorofluoromethane	ND	cn	0.50	0.10	ug/L			05/20/24 23:24	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Dichlorodifluoromethane	ND	cn	0.50	0.10	ug/L			05/20/24 23:24	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/20/24 23:24	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/20/24 23:24	1
Trichloroethene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/20/24 23:24	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 23:24	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/20/24 23:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-6

Lab Sample ID: 410-171106-8

Date Collected: 05/07/24 13:30

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/20/24 23:24	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Dibromomethane	ND		0.50	0.080	ug/L			05/20/24 23:24	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/20/24 23:24	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
Naphthalene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/20/24 23:24	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/20/24 23:24	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/20/24 23:24	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/20/24 23:24	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/20/24 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120					05/20/24 23:24	1
Dibromofluoromethane (Surr)	104		80 - 120					05/20/24 23:24	1
4-Bromofluorobenzene (Surr)	97		80 - 120					05/20/24 23:24	1
Toluene-d8 (Surr)	97		80 - 120					05/20/24 23:24	1

Method: SW846 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			05/10/24 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	104		63 - 135					05/10/24 21:50	1

Method: SW846 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		05/11/24 06:52	05/14/24 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	113		37 - 153				05/11/24 06:52	05/14/24 00:17	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-6D

Lab Sample ID: 410-171106-9

Date Collected: 05/07/24 13:45

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 16:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 16:41	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 16:41	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 16:41	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Methyl tertiary butyl ether	0.46	J	0.50	0.080	ug/L			05/19/24 16:41	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 16:41	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 16:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 16:41	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 16:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/19/24 16:41	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 16:41	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 16:41	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/19/24 16:41	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-6D

Lab Sample ID: 410-171106-9

Date Collected: 05/07/24 13:45

Matrix: Water

Date Received: 05/08/24 18:08

Method: SW846 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			05/19/24 16:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 16:41	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 16:41	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 16:41	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 16:41	1
t-Butyl alcohol	ND	cn	10	3.0	ug/L			05/19/24 16:41	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 16:41	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 120					05/19/24 16:41	1
Dibromofluoromethane (Surr)	112		80 - 120					05/19/24 16:41	1
4-Bromofluorobenzene (Surr)	88		80 - 120					05/19/24 16:41	1
Toluene-d8 (Surr)	101		80 - 120					05/19/24 16:41	1

Method: SW846 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			05/10/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	104		63 - 135					05/10/24 22:15	1

Method: SW846 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		05/11/24 06:52	05/14/24 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	113		37 - 153				05/11/24 06:52	05/14/24 00:41	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

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)
410-171106-1	MW-1	116	112	89	101
410-171106-2	MW-2	117	112	90	101
410-171106-3	MW-3	119	112	88	101
410-171106-4	MW-4	117	110	88	101
410-171106-5	MW-4D	119	114	89	101
410-171106-6	MW-5	121 S1+ cn	114 cn	88 cn	101 cn
410-171106-7	MW-5D	118	114	89	101
410-171106-8	MW-6	101	104	97	97
410-171106-9	MW-6D	118	112	88	101
LCS 410-507860/4	Lab Control Sample	113	107	94	105
LCS 410-508366/5	Lab Control Sample	102	101	100	100
MB 410-507860/6	Method Blank	116	110	88	101
MB 410-508366/9	Method Blank	102	105	98	97

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)
410-171106-1	MW-1	103
410-171106-2	MW-2	103
410-171106-3	MW-3	104
410-171106-4	MW-4	105
410-171106-5	MW-4D	101
410-171106-6	MW-5	103
410-171106-7	MW-5D	105
410-171106-8	MW-6	104
410-171106-9	MW-6D	104
LCS 410-504591/6	Lab Control Sample	89
LCSD 410-504591/7	Lab Control Sample Dup	87
MB 410-504591/5	Method Blank	104

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)
410-171106-1	MW-1	115
410-171106-2	MW-2	110
410-171106-3	MW-3	101

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171106-1

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)
410-171106-4	MW-4	109
410-171106-5	MW-4D	116
410-171106-6	MW-5	113
410-171106-7	MW-5D	118
410-171106-8	MW-6	113
410-171106-9	MW-6D	113
LCS 410-504974/2-A	Lab Control Sample	106
LCSD 410-504974/3-A	Lab Control Sample Dup	105
MB 410-504974/1-A	Method Blank	117

Surrogate Legend

OTP = o- terphenyl (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-507860/6

Matrix: Water

Analysis Batch: 507860

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			05/19/24 12:58	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Styrene	ND		0.50	0.070	ug/L			05/19/24 12:58	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 12:58	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/19/24 12:58	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 12:58	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/19/24 12:58	1
Toluene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/19/24 12:58	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 12:58	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/19/24 12:58	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/19/24 12:58	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 12:58	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Chloroform	ND		0.50	0.090	ug/L			05/19/24 12:58	1
Benzene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Bromomethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Chloromethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Chloroethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/19/24 12:58	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/19/24 12:58	1
Bromoform	ND		1.0	0.30	ug/L			05/19/24 12:58	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Acrylonitrile	ND		5.0	0.40	ug/L			05/19/24 12:58	1
Trichloroethene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/19/24 12:58	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/19/24 12:58	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-507860/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 507860

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			05/19/24 12:58	1
Bromobenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Dibromomethane	ND		0.50	0.080	ug/L			05/19/24 12:58	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/19/24 12:58	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
Naphthalene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/19/24 12:58	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/19/24 12:58	1
t-Butyl alcohol	ND		10	3.0	ug/L			05/19/24 12:58	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/19/24 12:58	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/19/24 12:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		05/19/24 12:58	1
Dibromofluoromethane (Surr)	110		80 - 120		05/19/24 12:58	1
4-Bromofluorobenzene (Surr)	88		80 - 120		05/19/24 12:58	1
Toluene-d8 (Surr)	101		80 - 120		05/19/24 12:58	1

Lab Sample ID: LCS 410-507860/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 507860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	5.00	4.64		ug/L		93	67 - 121
trans-1,3-Dichloropropene	5.00	4.92		ug/L		98	61 - 129
Ethylbenzene	5.00	5.13		ug/L		103	80 - 120
Styrene	5.00	5.20		ug/L		104	80 - 120
1,4-Dichlorobenzene	5.00	5.09		ug/L		102	80 - 120
1,2-Dibromoethane	5.00	5.12		ug/L		102	80 - 120
1,1-Dichloropropene	5.00	5.09		ug/L		102	74 - 120
1,2-Dichloroethane	5.00	4.87		ug/L		97	69 - 122
1,2,3-Trichlorobenzene	5.00	5.74		ug/L		115	68 - 125
1,2,3-Trichloropropane	5.00	5.14		ug/L		103	80 - 125
Toluene	5.00	5.17		ug/L		103	80 - 120
Chlorobenzene	5.00	5.33		ug/L		107	80 - 120
1,2,4-Trimethylbenzene	5.00	5.01		ug/L		100	80 - 120
1,2,4-Trichlorobenzene	5.00	5.26		ug/L		105	68 - 122
Dibromochloromethane	5.00	5.48		ug/L		110	64 - 138
Xylenes, Total	15.0	15.4		ug/L		103	80 - 120
Tetrachloroethene	5.00	5.14		ug/L		103	80 - 120
cis-1,2-Dichloroethene	5.00	5.23		ug/L		105	80 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-507860/4

Matrix: Water

Analysis Batch: 507860

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	5.11		ug/L		102	80 - 122
Methyl tertiary butyl ether	5.00	4.37		ug/L		87	69 - 120
1,3,5-Trimethylbenzene	5.00	4.98		ug/L		100	80 - 120
1,3-Dichlorobenzene	5.00	5.12		ug/L		102	80 - 120
1,3-Dichloropropane	5.00	5.11		ug/L		102	80 - 120
Chloroform	5.00	4.94		ug/L		99	80 - 120
Benzene	5.00	5.15		ug/L		103	80 - 120
1,1,1-Trichloroethane	5.00	5.13		ug/L		103	78 - 126
Bromomethane	5.00	5.49		ug/L		110	60 - 136
Chloromethane	5.00	4.99		ug/L		100	56 - 124
Chloroethane	5.00	5.77		ug/L		115	63 - 120
2,2-Dichloropropane	5.00	4.86		ug/L		97	61 - 141
Vinyl chloride	5.00	5.24		ug/L		105	60 - 125
Methylene Chloride	5.00	5.34		ug/L		107	80 - 120
Carbon disulfide	5.00	5.05		ug/L		101	67 - 130
Bromoform	5.00	5.29		ug/L		106	49 - 144
Bromodichloromethane	5.00	5.18		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	5.10		ug/L		102	74 - 120
2-Chlorotoluene	5.00	5.05		ug/L		101	80 - 120
1,1-Dichloroethene	5.00	5.44		ug/L		109	80 - 131
Trichlorofluoromethane	5.00	5.39		ug/L		108	62 - 136
4-Chlorotoluene	5.00	5.13		ug/L		103	80 - 120
Dichlorodifluoromethane	5.00	4.93		ug/L		99	43 - 123
1,2-Dichloropropane	5.00	5.09		ug/L		102	80 - 120
1,1,2-Trichloroethane	5.00	5.20		ug/L		104	80 - 120
Acrylonitrile	25.0	25.3		ug/L		101	64 - 139
Trichloroethene	5.00	5.21		ug/L		104	80 - 120
1,1,1,2-Tetrachloroethane	5.00	4.99		ug/L		100	75 - 123
1,2-Dichlorobenzene	5.00	5.17		ug/L		103	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.05		ug/L		101	56 - 148
Bromobenzene	5.00	5.08		ug/L		102	80 - 120
Bromochloromethane	5.00	5.54		ug/L		111	80 - 120
Isopropylbenzene	5.00	5.37		ug/L		107	80 - 120
Dibromomethane	5.00	5.19		ug/L		104	80 - 122
di-Isopropyl ether	5.00	4.44		ug/L		89	58 - 131
Ethyl t-butyl ether	5.00	4.33		ug/L		87	57 - 126
Hexachlorobutadiene	5.00	5.46		ug/L		109	72 - 132
Naphthalene	5.00	5.58		ug/L		112	64 - 122
n-Butylbenzene	5.00	5.27		ug/L		105	74 - 123
N-Propylbenzene	5.00	5.15		ug/L		103	74 - 122
p-Isopropyltoluene	5.00	5.06		ug/L		101	80 - 120
sec-Butylbenzene	5.00	5.19		ug/L		104	80 - 120
t-Amyl methyl ether	5.00	4.40		ug/L		88	65 - 125
t-Butyl alcohol	50.0	43.5		ug/L		87	62 - 138
tert-Butylbenzene	5.00	4.57		ug/L		91	79 - 120
trans-1,4-Dichloro-2-butene	25.0	24.1		ug/L		96	10 - 172

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-507860/4
Matrix: Water
Analysis Batch: 507860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	113		80 - 120
Dibromofluoromethane (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: MB 410-508366/9
Matrix: Water
Analysis Batch: 508366

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			05/20/24 22:42	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Styrene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/20/24 22:42	1
Toluene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Xylenes, Total	ND		1.0	0.070	ug/L			05/20/24 22:42	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/20/24 22:42	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/20/24 22:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,3-Dichloropropane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Chloroform	ND		0.50	0.090	ug/L			05/20/24 22:42	1
Benzene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Bromomethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Chloromethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Chloroethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
2,2-Dichloropropane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/20/24 22:42	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/20/24 22:42	1
Bromoform	ND		1.0	0.30	ug/L			05/20/24 22:42	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
2-Chlorotoluene	ND		0.50	0.080	ug/L			05/20/24 22:42	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-508366/9

Matrix: Water

Analysis Batch: 508366

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
4-Chlorotoluene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Acrylonitrile	ND		5.0	0.40	ug/L			05/20/24 22:42	1
Trichloroethene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/20/24 22:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Bromobenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Bromochloromethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Dibromomethane	ND		0.50	0.080	ug/L			05/20/24 22:42	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/20/24 22:42	1
Ethyl t-butyl ether	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Hexachlorobutadiene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
Naphthalene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
n-Butylbenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
N-Propylbenzene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
p-Isopropyltoluene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
sec-Butylbenzene	ND		0.50	0.10	ug/L			05/20/24 22:42	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/20/24 22:42	1
t-Butyl alcohol	ND		10	3.0	ug/L			05/20/24 22:42	1
tert-Butylbenzene	ND		0.50	0.080	ug/L			05/20/24 22:42	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/20/24 22:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/20/24 22:42	1
Dibromofluoromethane (Surr)	105		80 - 120		05/20/24 22:42	1
4-Bromofluorobenzene (Surr)	98		80 - 120		05/20/24 22:42	1
Toluene-d8 (Surr)	97		80 - 120		05/20/24 22:42	1

Lab Sample ID: LCS 410-508366/5

Matrix: Water

Analysis Batch: 508366

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	4.47		ug/L		89	67 - 121
trans-1,3-Dichloropropene	5.00	4.62		ug/L		92	61 - 129
Ethylbenzene	5.00	4.85		ug/L		97	80 - 120
Styrene	5.00	4.88		ug/L		98	80 - 120
1,4-Dichlorobenzene	5.00	4.91		ug/L		98	80 - 120
1,2-Dibromoethane	5.00	4.81		ug/L		96	80 - 120
1,1-Dichloropropene	5.00	4.77		ug/L		95	74 - 120
1,2-Dichloroethane	5.00	4.95		ug/L		99	69 - 122

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-508366/5

Matrix: Water

Analysis Batch: 508366

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	5.02		ug/L		100	68 - 125
1,2,3-Trichloropropane	5.00	5.01		ug/L		100	80 - 125
Toluene	5.00	4.79		ug/L		96	80 - 120
Chlorobenzene	5.00	4.97		ug/L		99	80 - 120
1,2,4-Trimethylbenzene	5.00	4.97		ug/L		99	80 - 120
1,2,4-Trichlorobenzene	5.00	4.92		ug/L		98	68 - 122
Dibromochloromethane	5.00	4.79		ug/L		96	64 - 138
Xylenes, Total	15.0	14.5		ug/L		97	80 - 120
Tetrachloroethene	5.00	4.72		ug/L		94	80 - 120
cis-1,2-Dichloroethene	5.00	4.85		ug/L		97	80 - 122
trans-1,2-Dichloroethene	5.00	4.74		ug/L		95	80 - 122
Methyl tertiary butyl ether	5.00	4.31		ug/L		86	69 - 120
1,3,5-Trimethylbenzene	5.00	4.80		ug/L		96	80 - 120
1,3-Dichlorobenzene	5.00	4.87		ug/L		97	80 - 120
1,3-Dichloropropane	5.00	4.76		ug/L		95	80 - 120
Chloroform	5.00	4.85		ug/L		97	80 - 120
Benzene	5.00	4.82		ug/L		96	80 - 120
1,1,1-Trichloroethane	5.00	4.89		ug/L		98	78 - 126
Bromomethane	5.00	4.22		ug/L		84	60 - 136
Chloromethane	5.00	3.68		ug/L		74	56 - 124
Chloroethane	5.00	4.25		ug/L		85	63 - 120
2,2-Dichloropropane	5.00	4.76		ug/L		95	61 - 141
Vinyl chloride	5.00	3.92		ug/L		78	60 - 125
Methylene Chloride	5.00	4.90		ug/L		98	80 - 120
Carbon disulfide	5.00	4.50		ug/L		90	67 - 130
Bromoform	5.00	4.50		ug/L		90	49 - 144
Bromodichloromethane	5.00	5.00		ug/L		100	73 - 124
1,1-Dichloroethane	5.00	4.92		ug/L		98	74 - 120
2-Chlorotoluene	5.00	5.01		ug/L		100	80 - 120
1,1-Dichloroethene	5.00	4.92		ug/L		98	80 - 131
Trichlorofluoromethane	5.00	3.87		ug/L		77	62 - 136
4-Chlorotoluene	5.00	5.11		ug/L		102	80 - 120
Dichlorodifluoromethane	5.00	3.70		ug/L		74	43 - 123
1,2-Dichloropropane	5.00	4.97		ug/L		99	80 - 120
1,1,2-Trichloroethane	5.00	4.90		ug/L		98	80 - 120
Acrylonitrile	25.0	30.3		ug/L		121	64 - 139
Trichloroethene	5.00	4.76		ug/L		95	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.86		ug/L		97	75 - 123
1,2-Dichlorobenzene	5.00	4.99		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.46		ug/L		89	56 - 148
Bromobenzene	5.00	4.86		ug/L		97	80 - 120
Bromochloromethane	5.00	5.21		ug/L		104	80 - 120
Isopropylbenzene	5.00	5.13		ug/L		103	80 - 120
Dibromomethane	5.00	5.02		ug/L		100	80 - 122
di-Isopropyl ether	5.00	4.37		ug/L		87	58 - 131
Ethyl t-butyl ether	5.00	4.33		ug/L		87	57 - 126
Hexachlorobutadiene	5.00	5.04		ug/L		101	72 - 132
Naphthalene	5.00	4.92		ug/L		98	64 - 122
n-Butylbenzene	5.00	5.09		ug/L		102	74 - 123

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-508366/5

Matrix: Water

Analysis Batch: 508366

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	4.92		ug/L		98	74 - 122	
p-Isopropyltoluene	5.00	4.89		ug/L		98	80 - 120	
sec-Butylbenzene	5.00	4.97		ug/L		99	80 - 120	
t-Amyl methyl ether	5.00	4.39		ug/L		88	65 - 125	
t-Butyl alcohol	50.0	32.3		ug/L		65	62 - 138	
tert-Butylbenzene	5.00	4.72		ug/L		94	79 - 120	
trans-1,4-Dichloro-2-butene	25.0	23.0		ug/L		92	10 - 172	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		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 410-504591/5

Matrix: Water

Analysis Batch: 504591

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			05/10/24 11:34	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
a,a,a-Trifluorotoluene (fid) (1C)	104		63 - 135		05/10/24 11:34	1

Lab Sample ID: LCS 410-504591/6

Matrix: Water

Analysis Batch: 504591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline (Unleaded) (1C)	1100	929		ug/L		84	66 - 128	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
a,a,a-Trifluorotoluene (fid) (1C)	89		63 - 135

Lab Sample ID: LCSD 410-504591/7

Matrix: Water

Analysis Batch: 504591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline (Unleaded) (1C)	1100	959		ug/L		87	66 - 128	3	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
a,a,a-Trifluorotoluene (fid) (1C)	87		63 - 135

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-504974/1-A

Matrix: Water

Analysis Batch: 505534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 504974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		100	55	ug/L		05/11/24 06:52	05/13/24 18:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -terphenyl (Surr)	117		37 - 153				05/11/24 06:52	05/13/24 18:18	1

Lab Sample ID: LCS 410-504974/2-A

Matrix: Water

Analysis Batch: 505534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 504974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
DRO (C10-C28)	2640	3020		ug/L		114	78 - 133
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>o</i> -terphenyl (Surr)	106		37 - 153				

Lab Sample ID: LCSD 410-504974/3-A

Matrix: Water

Analysis Batch: 505534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 504974

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)	2600	2660		ug/L		102	78 - 133	13	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
<i>o</i> -terphenyl (Surr)	105		37 - 153						

QC Association Summary

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

GC/MS VOA

Analysis Batch: 507860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-171106-1	MW-1	Total/NA	Water	8260C LL	
410-171106-2	MW-2	Total/NA	Water	8260C LL	
410-171106-3	MW-3	Total/NA	Water	8260C LL	
410-171106-4	MW-4	Total/NA	Water	8260C LL	
410-171106-5	MW-4D	Total/NA	Water	8260C LL	
410-171106-6	MW-5	Total/NA	Water	8260C LL	
410-171106-7	MW-5D	Total/NA	Water	8260C LL	
410-171106-9	MW-6D	Total/NA	Water	8260C LL	
MB 410-507860/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-507860/4	Lab Control Sample	Total/NA	Water	8260C LL	

Analysis Batch: 508366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-171106-8	MW-6	Total/NA	Water	8260C LL	
MB 410-508366/9	Method Blank	Total/NA	Water	8260C LL	
LCS 410-508366/5	Lab Control Sample	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 504591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-171106-1	MW-1	Total/NA	Water	8015D	
410-171106-2	MW-2	Total/NA	Water	8015D	
410-171106-3	MW-3	Total/NA	Water	8015D	
410-171106-4	MW-4	Total/NA	Water	8015D	
410-171106-5	MW-4D	Total/NA	Water	8015D	
410-171106-6	MW-5	Total/NA	Water	8015D	
410-171106-7	MW-5D	Total/NA	Water	8015D	
410-171106-8	MW-6	Total/NA	Water	8015D	
410-171106-9	MW-6D	Total/NA	Water	8015D	
MB 410-504591/5	Method Blank	Total/NA	Water	8015D	
LCS 410-504591/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-504591/7	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 504974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-171106-1	MW-1	Total/NA	Water	3511	
410-171106-2	MW-2	Total/NA	Water	3511	
410-171106-3	MW-3	Total/NA	Water	3511	
410-171106-4	MW-4	Total/NA	Water	3511	
410-171106-5	MW-4D	Total/NA	Water	3511	
410-171106-6	MW-5	Total/NA	Water	3511	
410-171106-7	MW-5D	Total/NA	Water	3511	
410-171106-8	MW-6	Total/NA	Water	3511	
410-171106-9	MW-6D	Total/NA	Water	3511	
MB 410-504974/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-504974/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-504974/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171106-1

GC Semi VOA

Analysis Batch: 505534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-171106-1	MW-1	Total/NA	Water	8015D	504974
410-171106-2	MW-2	Total/NA	Water	8015D	504974
410-171106-3	MW-3	Total/NA	Water	8015D	504974
410-171106-4	MW-4	Total/NA	Water	8015D	504974
410-171106-5	MW-4D	Total/NA	Water	8015D	504974
410-171106-6	MW-5	Total/NA	Water	8015D	504974
410-171106-7	MW-5D	Total/NA	Water	8015D	504974
410-171106-8	MW-6	Total/NA	Water	8015D	504974
410-171106-9	MW-6D	Total/NA	Water	8015D	504974
MB 410-504974/1-A	Method Blank	Total/NA	Water	8015D	504974
LCS 410-504974/2-A	Lab Control Sample	Total/NA	Water	8015D	504974
LCSD 410-504974/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	504974

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-1

Lab Sample ID: 410-171106-1

Date Collected: 05/07/24 14:20

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 13:43
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 18:53
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 21:29

Client Sample ID: MW-2

Lab Sample ID: 410-171106-2

Date Collected: 05/07/24 14:50

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 14:05
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 19:19
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 21:53

Client Sample ID: MW-3

Lab Sample ID: 410-171106-3

Date Collected: 05/07/24 15:20

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 14:27
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 19:44
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 22:17

Client Sample ID: MW-4

Lab Sample ID: 410-171106-4

Date Collected: 05/07/24 11:30

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 14:50
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 20:09
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 22:41

Client Sample ID: MW-4D

Lab Sample ID: 410-171106-5

Date Collected: 05/07/24 11:45

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 15:12
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 20:34
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 23:05

Lab Chronicle

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171106-1

Client Sample ID: MW-5

Lab Sample ID: 410-171106-6

Date Collected: 05/07/24 12:30

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 15:34
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 20:59
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 23:29

Client Sample ID: MW-5D

Lab Sample ID: 410-171106-7

Date Collected: 05/07/24 12:45

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 15:57
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 21:24
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/13/24 23:53

Client Sample ID: MW-6

Lab Sample ID: 410-171106-8

Date Collected: 05/07/24 13:30

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	508366	JS6E	ELLE	05/20/24 23:24
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 21:50
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/14/24 00:17

Client Sample ID: MW-6D

Lab Sample ID: 410-171106-9

Date Collected: 05/07/24 13:45

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	507860	DVW2	ELLE	05/19/24 16:41
Total/NA	Analysis	8015D		1	504591	P5AM	ELLE	05/10/24 22:15
Total/NA	Prep	3511			504974	UMAD	ELLE	05/11/24 06:52
Total/NA	Analysis	8015D		1	505534	UHEW	ELLE	05/14/24 00:41

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: Carroll Madonna

Job ID: 410-171106-1

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	06-30-25

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: Carroll Madonna

Job ID: 410-171106-1

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: Carroll Madonna

Job ID: 410-171106-1

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: Carroll Madonna

Job ID: 410-171106-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-171106-1	MW-1	Water	05/07/24 14:20	05/08/24 18:08
410-171106-2	MW-2	Water	05/07/24 14:50	05/08/24 18:08
410-171106-3	MW-3	Water	05/07/24 15:20	05/08/24 18:08
410-171106-4	MW-4	Water	05/07/24 11:30	05/08/24 18:08
410-171106-5	MW-4D	Water	05/07/24 11:45	05/08/24 18:08
410-171106-6	MW-5	Water	05/07/24 12:30	05/08/24 18:08
410-171106-7	MW-5D	Water	05/07/24 12:45	05/08/24 18:08
410-171106-8	MW-6	Water	05/07/24 13:30	05/08/24 18:08
410-171106-9	MW-6D	Water	05/07/24 13:45	05/08/24 18:08

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



410-171106 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#: Carroll Madonna		Site ID #:		<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface		Preservation Codes						SF #: _____	
Project Manager: Peter Reichardt		P.O. #: 0403483/06/206		<input type="checkbox"/> Polable <input type="checkbox"/> NPDES		H H H						SCR #: _____	
Sampler: Jeff Plummer		PWSID #:		<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Other:		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 #:		<input type="checkbox"/> Composite		TPH-GRO (8015B)						Remarks	
State where sample(s) were collected: 4101 Norrisville Rd, Jarrettsville MD						TPH-DRO (8015B)							
Sample Identification		Collection				Total # of Containers							
		Date	Time	Grab									
MW-1		5.7.24	1420	X		7	X	X	X				EQEDD file name:
MW-2			1450										Carroll Madonna-lab
MW-3			1520										report #.21993.
MW-4			1130										EQEDD.zip
MW-4D			1145										Send invoice to:
MW-5			1230										ges-invoices@
MW-5D			1245										gesonline.com &
MW-6			1330										include PO #
MW-6D		5.7.24	1345	X		7	X	X	X				
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>Dennise Wadwin</i>		Date	Time		
(Rush TAT is subject to laboratory approval and surcharges.)						5-8-24	0800	5-8-24		0800			
Date results are needed:				Relinquished by: <i>Dennise Wadwin</i>		Date	Time	Received by: <i>Jeff Plummer</i>		Date	Time		
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>						5-8-24	1416	5/8/24		1416			
E-mail Address: <u>midatlatnic@gesonline.com & ges@equisonline.com</u>				Relinquished by: <i>Jeff Plummer</i>		Date	Time	Received by:		Date	Time		
Phone: _____						5/8/24	1808						
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:									
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>				UPS _____ FedEx _____ Other <input checked="" type="checkbox"/>								R: 2.4 C: 2.3 °C	
EQEDD Name: <u>Carroll Madonna-lab report #.21933.EQEDD.zip</u>												NVP	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-171106-1

Login Number: 171106

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

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 acceptable, where thermal pres is required (<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required (<=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	
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 5/14/2024 4:28:59 PM

JOB DESCRIPTION

Carroll Madonna

JOB NUMBER

410-171107-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated
5/14/2024 4:28:59 PM

Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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.

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.





Table of Contents

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	6
Detection Summary	7
Client Sample Results	8
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

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171107-1

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
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: Carroll Madonna

Job ID: 410-171107-1

Job ID: 410-171107-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-171107-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt

The samples were received on 5/8/2024 6:08 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 2.3°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: 3922 Greenpeak-INF (410-171107-5). 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: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3914 Madonna-INF

Lab Sample ID: 410-171107-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.32	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: 3921 Greenpeak-EFF

Lab Sample ID: 410-171107-2

No Detections.

Client Sample ID: 3921 Greenpeak-MID

Lab Sample ID: 410-171107-3

No Detections.

Client Sample ID: 3921 Greenpeak-INF

Lab Sample ID: 410-171107-4

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: 3922 Greenpeak-INF

Lab Sample ID: 410-171107-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.68	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

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3914 Madonna-INF

Lab Sample ID: 410-171107-1

Date Collected: 05/07/24 08:40

Matrix: Water

Date Received: 05/08/24 18:08

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			05/13/24 19:26	1
Benzene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/13/24 19:26	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 19:26	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/13/24 19:26	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Methyl tertiary butyl ether	0.32	J	0.50	0.10	ug/L			05/13/24 19:26	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/13/24 19:26	1
Naphthalene	ND		0.50	0.20	ug/L			05/13/24 19:26	1
Styrene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Tetrachloroethene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Toluene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 19:26	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 19:26	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Trichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/13/24 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		80 - 120					05/13/24 19:26	1
1,2-Dichlorobenzene-d4 (Surr)	94		80 - 120					05/13/24 19:26	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3921 Greenpeak-EFF

Lab Sample ID: 410-171107-2

Date Collected: 05/07/24 09:00

Matrix: Water

Date Received: 05/08/24 18:08

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			05/13/24 19:49	1
Benzene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/13/24 19:49	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 19:49	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/13/24 19:49	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/13/24 19:49	1
Naphthalene	ND		0.50	0.20	ug/L			05/13/24 19:49	1
Styrene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Tetrachloroethene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Toluene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 19:49	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 19:49	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Trichloroethene	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/13/24 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		80 - 120					05/13/24 19:49	1
1,2-Dichlorobenzene-d4 (Surr)	96		80 - 120					05/13/24 19:49	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3921 Greenpeak-MID

Lab Sample ID: 410-171107-3

Date Collected: 05/07/24 09:05

Matrix: Water

Date Received: 05/08/24 18:08

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			05/13/24 20:12	1
Benzene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/13/24 20:12	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 20:12	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/13/24 20:12	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/13/24 20:12	1
Naphthalene	ND		0.50	0.20	ug/L			05/13/24 20:12	1
Styrene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Tetrachloroethene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Toluene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 20:12	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 20:12	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Trichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/13/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		80 - 120					05/13/24 20:12	1
1,2-Dichlorobenzene-d4 (Surr)	96		80 - 120					05/13/24 20:12	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3921 Greenpeak-INF

Lab Sample ID: 410-171107-4

Date Collected: 05/07/24 09:10

Matrix: Water

Date Received: 05/08/24 18:08

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			05/13/24 20:35	1
Benzene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/13/24 20:35	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 20:35	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/13/24 20:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Methyl tertiary butyl ether	0.17	J	0.50	0.10	ug/L			05/13/24 20:35	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/13/24 20:35	1
Naphthalene	ND		0.50	0.20	ug/L			05/13/24 20:35	1
Styrene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Tetrachloroethene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Toluene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 20:35	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 20:35	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Trichloroethene	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/13/24 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		80 - 120					05/13/24 20:35	1
1,2-Dichlorobenzene-d4 (Surr)	96		80 - 120					05/13/24 20:35	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3922 Greenpeak-INF

Lab Sample ID: 410-171107-5

Date Collected: 05/07/24 10:10

Matrix: Water

Date Received: 05/08/24 18:08

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			05/13/24 20:58	1
Benzene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			05/13/24 20:58	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
1,2-Dichlorobenzene	ND	cn	0.50	0.20	ug/L			05/13/24 20:58	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Methyl tertiary butyl ether	0.68	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			05/13/24 20:58	1
Naphthalene	ND	cn	0.50	0.20	ug/L			05/13/24 20:58	1
Styrene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Tetrachloroethene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Toluene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			05/13/24 20:58	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			05/13/24 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89	cn	80 - 120					05/13/24 20:58	1
1,2-Dichlorobenzene-d4 (Surr)	97	cn	80 - 120					05/13/24 20:58	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171107-1

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)
410-171107-1	3914 Madonna-INF	89	94
410-171107-2	3921 Greenpeak-EFF	89	96
410-171107-3	3921 Greenpeak-MID	89	96
410-171107-4	3921 Greenpeak-INF	89	96
410-171107-5	3922 Greenpeak-INF	89 cn	97 cn
LCS 410-505335/4	Lab Control Sample	101	103
MB 410-505335/6	Method Blank	90	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-505335/6

Matrix: Water

Analysis Batch: 505335

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			05/13/24 12:06	1
Benzene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/13/24 12:06	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 12:06	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/13/24 12:06	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/13/24 12:06	1
Naphthalene	ND		0.50	0.20	ug/L			05/13/24 12:06	1
Styrene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Tetrachloroethene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Toluene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/13/24 12:06	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 12:06	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Trichloroethene	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/13/24 12:06	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/13/24 12:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	90		80 - 120		05/13/24 12:06	1
1,2-Dichlorobenzene-d4 (Surr)	95		80 - 120		05/13/24 12:06	1

Lab Sample ID: LCS 410-505335/4

Matrix: Water

Analysis Batch: 505335

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	4.64		ug/L		93	70 - 130
Benzene	5.00	5.10		ug/L		102	70 - 130
t-Butyl alcohol	50.0	50.2		ug/L		100	70 - 130
Carbon tetrachloride	5.00	5.13		ug/L		103	70 - 130
Chlorobenzene	5.00	5.29		ug/L		106	70 - 130
1,2-Dichlorobenzene	5.00	5.37		ug/L		107	70 - 130
1,3-Dichlorobenzene	5.00	5.38		ug/L		108	70 - 130
1,2-Dichloroethane	5.00	4.98		ug/L		100	70 - 130
1,1-Dichloroethene	5.00	5.22		ug/L		104	70 - 130
cis-1,2-Dichloroethene	5.00	5.38		ug/L		108	70 - 130
trans-1,2-Dichloroethene	5.00	5.17		ug/L		103	70 - 130

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-171107-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-505335/4

Matrix: Water

Analysis Batch: 505335

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	5.15		ug/L		103	70 - 130
Ethyl t-butyl ether	5.00	5.06		ug/L		101	70 - 130
Ethylbenzene	5.00	5.30		ug/L		106	70 - 130
di-Isopropyl ether	5.00	4.96		ug/L		99	70 - 130
Methyl tertiary butyl ether	5.00	4.97		ug/L		99	70 - 130
Methylene Chloride	5.00	5.40		ug/L		108	70 - 130
Naphthalene	5.00	5.01		ug/L		100	70 - 130
Styrene	5.00	5.33		ug/L		107	70 - 130
Tetrachloroethene	5.00	5.16		ug/L		103	70 - 130
Toluene	5.00	5.26		ug/L		105	70 - 130
1,2,4-Trichlorobenzene	5.00	4.97		ug/L		99	70 - 130
1,1,1-Trichloroethane	5.00	5.15		ug/L		103	70 - 130
1,1,2-Trichloroethane	5.00	5.39		ug/L		108	70 - 130
Trichloroethene	5.00	5.08		ug/L		102	70 - 130
Vinyl chloride	2.00	2.12		ug/L		106	70 - 130
Xylenes, Total	15.0	15.8		ug/L		105	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	103		80 - 120

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171107-1

GC/MS VOA

Analysis Batch: 505335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-171107-1	3914 Madonna-INF	Total/NA	Water	524.2	
410-171107-2	3921 Greenpeak-EFF	Total/NA	Water	524.2	
410-171107-3	3921 Greenpeak-MID	Total/NA	Water	524.2	
410-171107-4	3921 Greenpeak-INF	Total/NA	Water	524.2	
410-171107-5	3922 Greenpeak-INF	Total/NA	Water	524.2	
MB 410-505335/6	Method Blank	Total/NA	Water	524.2	
LCS 410-505335/4	Lab Control Sample	Total/NA	Water	524.2	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-171107-1

Client Sample ID: 3914 Madonna-INF

Lab Sample ID: 410-171107-1

Date Collected: 05/07/24 08:40

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	505335	UJML	ELLE	05/13/24 19:26

Client Sample ID: 3921 Greenpeak-EFF

Lab Sample ID: 410-171107-2

Date Collected: 05/07/24 09:00

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	505335	UJML	ELLE	05/13/24 19:49

Client Sample ID: 3921 Greenpeak-MID

Lab Sample ID: 410-171107-3

Date Collected: 05/07/24 09:05

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	505335	UJML	ELLE	05/13/24 20:12

Client Sample ID: 3921 Greenpeak-INF

Lab Sample ID: 410-171107-4

Date Collected: 05/07/24 09:10

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	505335	UJML	ELLE	05/13/24 20:35

Client Sample ID: 3922 Greenpeak-INF

Lab Sample ID: 410-171107-5

Date Collected: 05/07/24 10:10

Matrix: Water

Date Received: 05/08/24 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	505335	UJML	ELLE	05/13/24 20:58

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: Carroll Madonna

Job ID: 410-171107-1

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	06-30-25

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: Carroll Madonna

Job ID: 410-171107-1

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: Carroll Madonna

Job ID: 410-171107-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-171107-1	3914 Madonna-INF	Water	05/07/24 08:40	05/08/24 18:08
410-171107-2	3921 Greenpeak-EFF	Water	05/07/24 09:00	05/08/24 18:08
410-171107-3	3921 Greenpeak-MID	Water	05/07/24 09:05	05/08/24 18:08
410-171107-4	3921 Greenpeak-INF	Water	05/07/24 09:10	05/08/24 18:08
410-171107-5	3922 Greenpeak-INF	Water	05/07/24 10:10	05/08/24 18:08

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



410-171107 Chain of Custody

Environmental Analysis Request/Chain of Custody

Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.				Matrix			Analyses Requested										For Lab Use Only	
Project Name/#: Carroll Madonna		Site ID #:		<input type="checkbox"/> Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface			Preservation Codes										SF #:	
Project Manager: Peter Reichardt		P.O. #: 0403483/06/209		<input type="checkbox"/> Potable <input checked="" type="checkbox"/> Ground <input type="checkbox"/> NPDES													SCR #:	
Sampler: Jeff Plummer		PWSID #:		<input type="checkbox"/> Water <input type="checkbox"/> Other:													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													Remarks	
State where sample(s) were collected: 4101 Norrisville Rd, Jarrettsville MD																		
Sample Identification		Collection		Total # of Containers			Target VOCs List plus oxygenates and Naphthalene (524-2)											
	Date	Time	Grab	Composite														
3914 Madonna - INF	5-7-24	0840	X				X			3	X							
3921 Greenpeak - EFF		0900																
3921 Greenpeak - MID		0905																
3921 Greenpeak - INF		0910	X				X											
3922 Greenpeak - INF	5-7-24	1010	X				X			3	X							
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by: Jeff Plummer			Date: 5-8-24	Time: 0800	Received by: Denise Wadry			Date: 5-8-24	Time: 0800					
(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: Denise Wadry			Date: 5-8-24	Time: 1416	Received by: Gracie Deich			Date: 5/8/24	Time: 1416					
Date results are needed:				Relinquished by: Gracie Deich			Date: 5/8/24	Time: 1808	Received by: _____			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: midatlatnic@gesonline.com & ges@equisonline.com				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: 5/8/24	Time: 1808					
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:														
EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: GES EQEDD				UPS _____ FedEx _____ Other <input checked="" type="checkbox"/>									Temperature upon receipt R: 2.4 C: 2.3 °C					
EQEDD Name: Carroll Madonna-lab report #.21933.EQEDD.zip																		

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-171107-1

Login Number: 171107

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, 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	
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 5/23/2024 1:23:41 PM

JOB DESCRIPTION

Carroll Madonna

JOB NUMBER

410-172347-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated
5/23/2024 1:23:41 PM

Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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.

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.





Table of Contents

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	6
Detection Summary	7
Client Sample Results	8
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	12
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receipt Checklists	18

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-172347-1

Qualifiers

GC/MS 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: Carroll Madonna

Job ID: 410-172347-1

Job ID: 410-172347-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-172347-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt

The sample was received on 5/16/2024 4:50 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 11.1°C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: 3922 Madonna-INF (410-172347-1). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

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

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: Carroll Madonna

Job ID: 410-172347-1

Client Sample ID: 3922 Madonna-INF

Lab Sample ID: 410-172347-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.25	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

- 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: Carroll Madonna

Job ID: 410-172347-1

Client Sample ID: 3922 Madonna-INF

Lab Sample ID: 410-172347-1

Date Collected: 05/13/24 11:10

Matrix: Water

Date Received: 05/16/24 16:50

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			05/21/24 15:28	1
Benzene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/21/24 15:28	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/21/24 15:28	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/21/24 15:28	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/21/24 15:28	1
Naphthalene	ND		0.50	0.20	ug/L			05/21/24 15:28	1
Styrene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Tetrachloroethene	0.25	J	0.50	0.10	ug/L			05/21/24 15:28	1
Toluene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/21/24 15:28	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/21/24 15:28	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Trichloroethene	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/21/24 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		80 - 120					05/21/24 15:28	1
1,2-Dichlorobenzene-d4 (Surr)	97		80 - 120					05/21/24 15:28	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-172347-1

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)
410-172347-1	3922 Madonna-INF	87	97
LCS 410-508573/4	Lab Control Sample	102	112
MB 410-508573/6	Method Blank	91	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-172347-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-508573/6

Matrix: Water

Analysis Batch: 508573

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			05/21/24 14:17	1
Benzene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
t-Butyl alcohol	ND		25	2.5	ug/L			05/21/24 14:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Chlorobenzene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			05/21/24 14:17	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			05/21/24 14:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/21/24 14:17	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Ethylbenzene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/21/24 14:17	1
Naphthalene	ND		0.50	0.20	ug/L			05/21/24 14:17	1
Styrene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Tetrachloroethene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Toluene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			05/21/24 14:17	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			05/21/24 14:17	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Trichloroethene	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/21/24 14:17	1
Xylenes, Total	ND		0.50	0.10	ug/L			05/21/24 14:17	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	91		80 - 120		05/21/24 14:17	1
1,2-Dichlorobenzene-d4 (Surr)	98		80 - 120		05/21/24 14:17	1

Lab Sample ID: LCS 410-508573/4

Matrix: Water

Analysis Batch: 508573

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	4.62		ug/L		92	70 - 130
Benzene	5.00	5.38		ug/L		108	70 - 130
t-Butyl alcohol	50.0	53.5		ug/L		107	70 - 130
Carbon tetrachloride	5.00	5.62		ug/L		112	70 - 130
Chlorobenzene	5.00	5.33		ug/L		107	70 - 130
1,2-Dichlorobenzene	5.00	5.61		ug/L		112	70 - 130
1,3-Dichlorobenzene	5.00	5.47		ug/L		109	70 - 130
1,2-Dichloroethane	5.00	5.65		ug/L		113	70 - 130
1,1-Dichloroethane	5.00	5.61		ug/L		112	70 - 130
cis-1,2-Dichloroethene	5.00	5.51		ug/L		110	70 - 130
trans-1,2-Dichloroethene	5.00	5.45		ug/L		109	70 - 130

QC Sample Results

Client: Groundwater & Environmental Services Inc
 Project/Site: Carroll Madonna

Job ID: 410-172347-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-508573/4

Matrix: Water

Analysis Batch: 508573

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	5.49		ug/L		110	70 - 130
Ethyl t-butyl ether	5.00	5.05		ug/L		101	70 - 130
Ethylbenzene	5.00	5.25		ug/L		105	70 - 130
di-Isopropyl ether	5.00	5.04		ug/L		101	70 - 130
Methyl tertiary butyl ether	5.00	5.22		ug/L		104	70 - 130
Methylene Chloride	5.00	5.82		ug/L		116	70 - 130
Naphthalene	5.00	4.83		ug/L		97	70 - 130
Styrene	5.00	5.33		ug/L		107	70 - 130
Tetrachloroethene	5.00	5.41		ug/L		108	70 - 130
Toluene	5.00	5.21		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	5.00	4.95		ug/L		99	70 - 130
1,1,1-Trichloroethane	5.00	5.59		ug/L		112	70 - 130
1,1,2-Trichloroethane	5.00	5.62		ug/L		112	70 - 130
Trichloroethene	5.00	5.27		ug/L		105	70 - 130
Vinyl chloride	2.00	2.05		ug/L		103	70 - 130
Xylenes, Total	15.0	15.8		ug/L		105	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		80 - 120
1,2-Dichlorobenzene-d4 (Surr)	112		80 - 120

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-172347-1

GC/MS VOA

Analysis Batch: 508573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-172347-1	3922 Madonna-INF	Total/NA	Water	524.2	
MB 410-508573/6	Method Blank	Total/NA	Water	524.2	
LCS 410-508573/4	Lab Control Sample	Total/NA	Water	524.2	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-172347-1

Client Sample ID: 3922 Madonna-INF

Lab Sample ID: 410-172347-1

Date Collected: 05/13/24 11:10

Matrix: Water

Date Received: 05/16/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	508573	UJML	ELLE	05/21/24 15:28

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Carroll Madonna

Job ID: 410-172347-1

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	06-30-25

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: Carroll Madonna

Job ID: 410-172347-1

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: Carroll Madonna

Job ID: 410-172347-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-172347-1	3922 Madonna-INF	Water	05/13/24 11:10	05/16/24 16:50

1

2

3

4

5

6

7

8

9

10

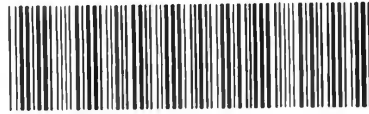
11

12

13

14

15



410-172347 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/#: Carroll Madonna		Site ID #:		<input type="checkbox"/> Sediment		<input type="checkbox"/> Ground		<input type="checkbox"/> Surface		Preservation Codes								SF #: _____	
Project Manager: Peter Reichardt		P.O. #: 0403483/06/209		<input type="checkbox"/> Potable		<input checked="" type="checkbox"/> NPDES		<input type="checkbox"/> Other:		H								SCR #: _____	
Sampler: Jeff Plummer		PWSID #:		<input type="checkbox"/> Water		<input type="checkbox"/> Other:		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 ₃ PO ₄ O = Other	
Phone #: 800-220-3606 x 3726		Quote #:		<input type="checkbox"/> Soil		<input type="checkbox"/> Other:		Total # of Containers										Remarks	
State where sample(s) were collected: 4101 Norrisville Rd, Jarrettsville MD				Collection		<input type="checkbox"/> Grab		<input type="checkbox"/> Composite											
Sample Identification		Date	Time																
3922 Madonna-INF		5/13/24	11:10	x				3		x								EQEDD file name:	
																		Carroll Madonna-lab report #.21993.	
																		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:		Date	Time	Received by:		Date	Time								
(Rush TAT is subject to laboratory approval and surcharges.)				Jeff Plummer		5-14-24	0800	Denise Woodruff		5-15-24	0800								
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"/>				Denise Woodruff		5-16-24	1220	J. Allen ELLE		5/16/24	1220								
E-mail Address: midatlatnic@qesonline.com & qes@equisonline.com				Relinquished by:		Date	Time	Received by:		Date	Time								
Phone:				J. Allen ELLE		5/16/24	1650												
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:				John P.		5/16/24	1650								
EQEDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, format: <u>GES EQEDD</u>																			
EQEDD Name: Carroll Madonna-lab report #.21993.EQEDD.zip				UPS _____ FedEx _____ Other _____								Temperature upon receipt		11.0 11.7 °C					

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-172347-1

Login Number: 172347

List Number: 1

Creator: Bryan, Debra A

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

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 acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, 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	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	





APPENDIX C

Vertical Groundwater Gradient Calculations



Vertical Gradient Calculations
First Semi-annual Period -2024

Carroll – High’s #130 Madonna
4101 Norrisville Road
Madonna, MD 21161

Input Parameters				
	Surface Elevation	Depth to Well Screen	Screen Length	Depth to Water
Shallow Well	91.56	12	20	16.60
Deep Well	91.20	83	10	16.42

Results			
	Magnitude	Flow Direction	
Low to high value (L:H)	0.002345	down	Concise version
High to high value (H:H)	0.002696	down	
Mid-point value (M:M)	0.002810	down	
Low to low value (L:L)	0.002934	down	
Low to high value (H:L)	0.003505	down	
Flow directions can be determined. Shallow well is a water table well. Only submerged length used in calculations.			
Gradient Estimate Between Piezometers (screen lengths equal to zero)			
Piezometers	0.002522	down	

For MW-4 and MW-4D, a vertical gradient magnitude (well screen mid-point to mid-point calculation) of 0.002810, in a downward flow direction, was calculated using the Environmental Protection Agency’s (EPA) on-line vertical gradient calculator.



Vertical Gradient Calculations
First Semi-annual Period -2024

Carroll – High’s #130 Madonna
4101 Norrisville Road
Madonna, MD 21161

Input Parameters				
	Surface Elevation	Depth to Well Screen	Screen Length	Depth to Water
Shallow Well	85.69	12	18	11.81
Deep Well	85.95	75	10	12.08

Results			
	Magnitude	Flow Direction	
Low to high value (L:H)	0.0001375	down	Concise version
High to high value (H:H)	0.0001594	down	
Mid-point value (M:M)	0.0001702	down	
Low to low value (L:L)	0.0001827	down	
Low to high value (H:L)	0.0002235	down	
Flow directions can be determined.			
Gradient Estimate Between Piezometers (screen lengths equal to zero)			
Piezometers	0.0001594	down	

For MW-5 and MW-5D, a vertical gradient magnitude (well screen mid-point to mid-point calculation) of 0.0001702, in a downward flow direction, was calculated using the EPA on-line vertical gradient calculator.



Vertical Gradient Calculations
First Semi-annual Period -2024

Carroll – High’s #130 Madonna
4101 Norrisville Road
Madonna, MD 21161

Input Parameters				
	Surface Elevation	Depth to Well Screen	Screen Length	Depth to Water
Shallow Well	84.99	12	18	11.20
Deep Well	85.40	65	10	11.50

Results			
	Magnitude	Flow Direction	
Low to high value (L:H)	0.001757	up	Concise version
High to high value (H:H)	0.002092	up	
Mid-point value (M:M)	0.002264	up	
Low to low value (L:L)	0.002467	up	
Low to high value (H:L)	0.003180	up	
Flow directions can be determined.			
Gradient Estimate Between Piezometers (screen lengths equal to zero)			
Piezometers	0.002092	up	

For MW-6 and MW-6D, a vertical gradient magnitude (well screen mid-point to mid-point calculation) of 0.002264, in an upward flow direction, was calculated with the EPA on-line vertical gradient calculator.

EPA’s vertical gradient calculator can be found at the following link:
<https://www3.epa.gov/ceampubl/learn2model/part-two/onsite/vgradient02.html>