June 10, 2022

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

RE: **FIRST SEMI-ANNUAL 2022 MONITORING REPORT**
MDE Case No. 2006-0442-HA
High's Store No. 130
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 2022 Monitoring Report for the above-mentioned facility. For the First Semi-Annual 2022 monitoring period, the following activities were completed:

- gauging of monitoring wells MW-1, MW-2, MW-3 MW-4/4D, MW-5/5D and MW-6/6D was completed on April 26, 2022 (tank field observation pipes were gauged as dry this day);
- annual sampling of monitoring wells MW-1, MW-2, and MW-3 was completed on April 26, 2022;
- semi-annual sampling of monitoring wells MW-4/4D, MW-5/5D and MW-6/6D was completed on April 26, 2022;
- quarterly sampling of the liquid granular activated carbon (LGAC) filtration system at 3921 Greenpeak Road was completed on February 9, 2022 and April 26, 2022;
- quarterly sampling of the residential potable well at 3922 Greenpeak Road was completed on February 9, 2022 and April 26, 2022;
- quarterly sampling of the residential potable well at 3914 Madonna Road was completed on February 9, 2022; and
- annual sampling of the residential potable wells at 3922 Madonna Road and 4101 Norrisville Road was completed on February 9, 2022.

At the time of this report, the potable well for 3914 Madonna Road had not been sampled for the Second Quarter 2022 and the potable well for 3908 Madonna Road had not been sampled for the 2022 annual period due to lack of response from the respective homeowners after multiple attempts by GES.

Please be advised that GES is preparing a case closure request to be submitted to the MDE in the near future.

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,

Pete Reichardt
Senior Project Manager

Enclosure

c: Lindley Campbell – MDE (1 additional copy & CD, e-copy)
Susan Bull – MDE (copy, CD & e-copy)
Herb Meade – High's of Baltimore (e-copy)
John Resline – Harford County Health Dept. (CD)
File – GES, MD (PSID 899298)

Consultant Contact: (GES)	Pete Reichardt, Groundwater & Environmental Services, Inc.
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:	Susan Bull, Lindley Campbell
MDE Case #:	2006-0442-HA

SCHEDULE OF ROUTINE ACTIVITIES

Groundwater Sampling:	All monitoring wells and tank field wells
Sampling Frequency:	Annually: MW-1, MW-2, 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 8015 and TPH-GRO and TPH-DRO via EPA Method 8260*

Potable/System Sampling:

LGAC System Location:	**Sampling Frequency:**
3921 Greenpeak Rd.	Quarterly

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

Potable/System Sampling (cont.):

Onsite Supply Well Sampling: 4101 Norrisville Rd.	**Sampling Frequency:** 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 these locations will now be sampled quarterly.

SEMIANNUAL GROUNDWATER DATA SUMMARY

Groundwater Sampling Date:	April 26, 2022
# of Wells / # Sampled (including TF wells):	13 / 9 (TF wells not sampled due to insufficient water)
Relative Groundwater Elevation Range (ft):	70.21 feet (MW-5D) to 72.80 feet (MW-2)
Maximum Benzene:	Non-Detect (MDL of 0.05 µg/L)
Maximum MTBE:	3.6 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

FUTURE ACTIVITIES – Second Semi-annual Period 2022

- Conduct Second Semi-annual 2022 groundwater monitoring event, which includes the sampling of semi-annual frequency monitoring wells.
- Conduct quarterly residential potable sampling for 3rd and 4th Quarter 2022
- Continue maintenance of the LGAC filtration system at 3921 Greenpeak Road, unless otherwise directed by the MDE.

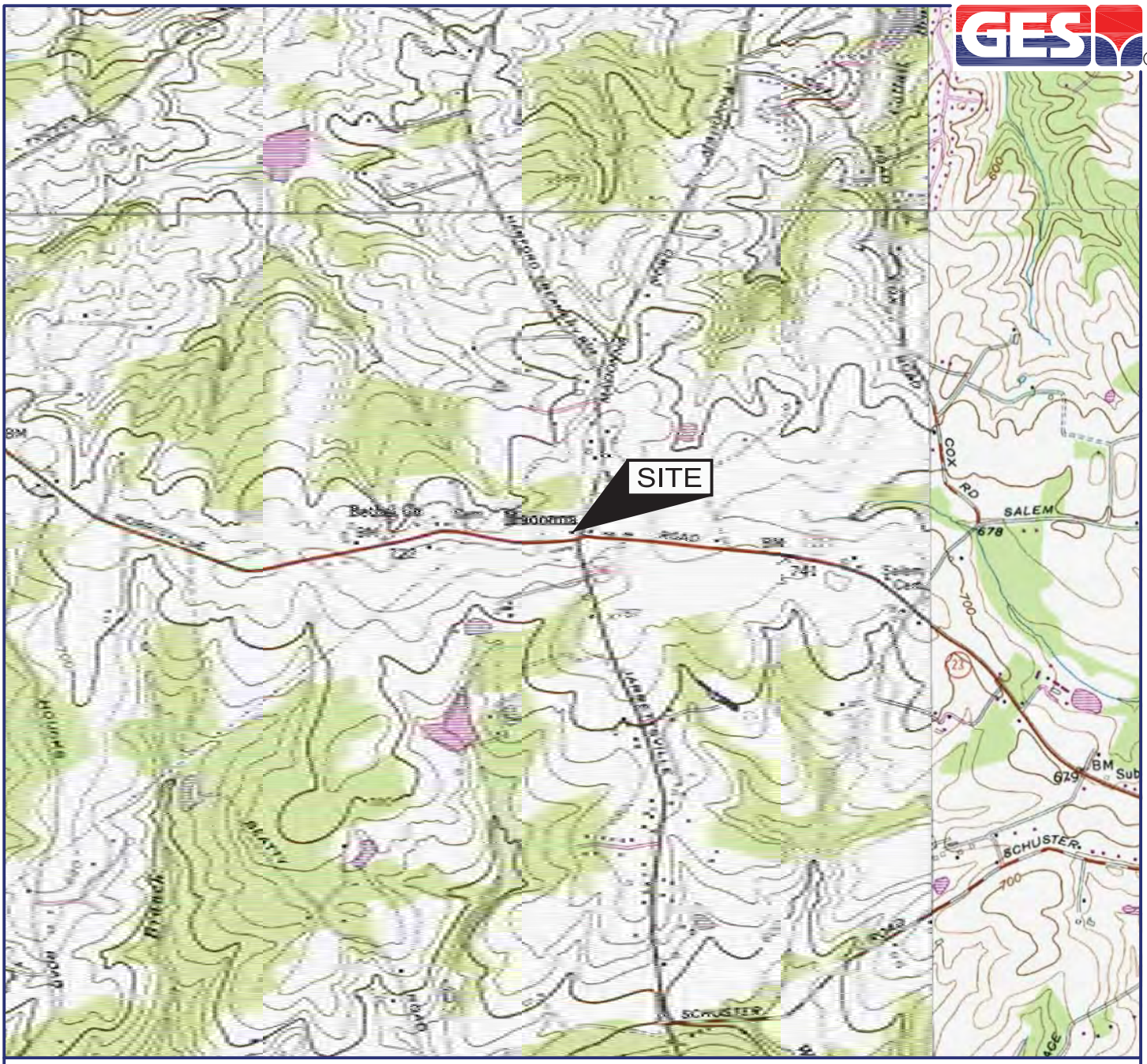
ATTACHMENTS

FIGURES

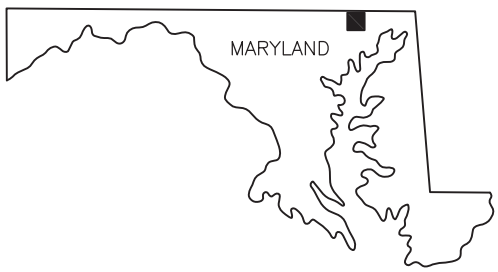
TABLES

APPENDICES

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	HIGH'S STORE #130 4101 NORRISVILLE ROAD MADONNA, MARYLAND
REVIEWED BY: GR	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE H2, ODENTON, MD 21113
NORTH	SCALE IN FEET: 0 — 2000 / DATE: 4-9-12 / FIGURE: 1

L:\Projects\Carroll Fuel\Active\MD_Madonna _4101 Norrisville Rd_Highs\Graphics

LEGEND

APPROXIMATE PROPERTY BOUNDARY

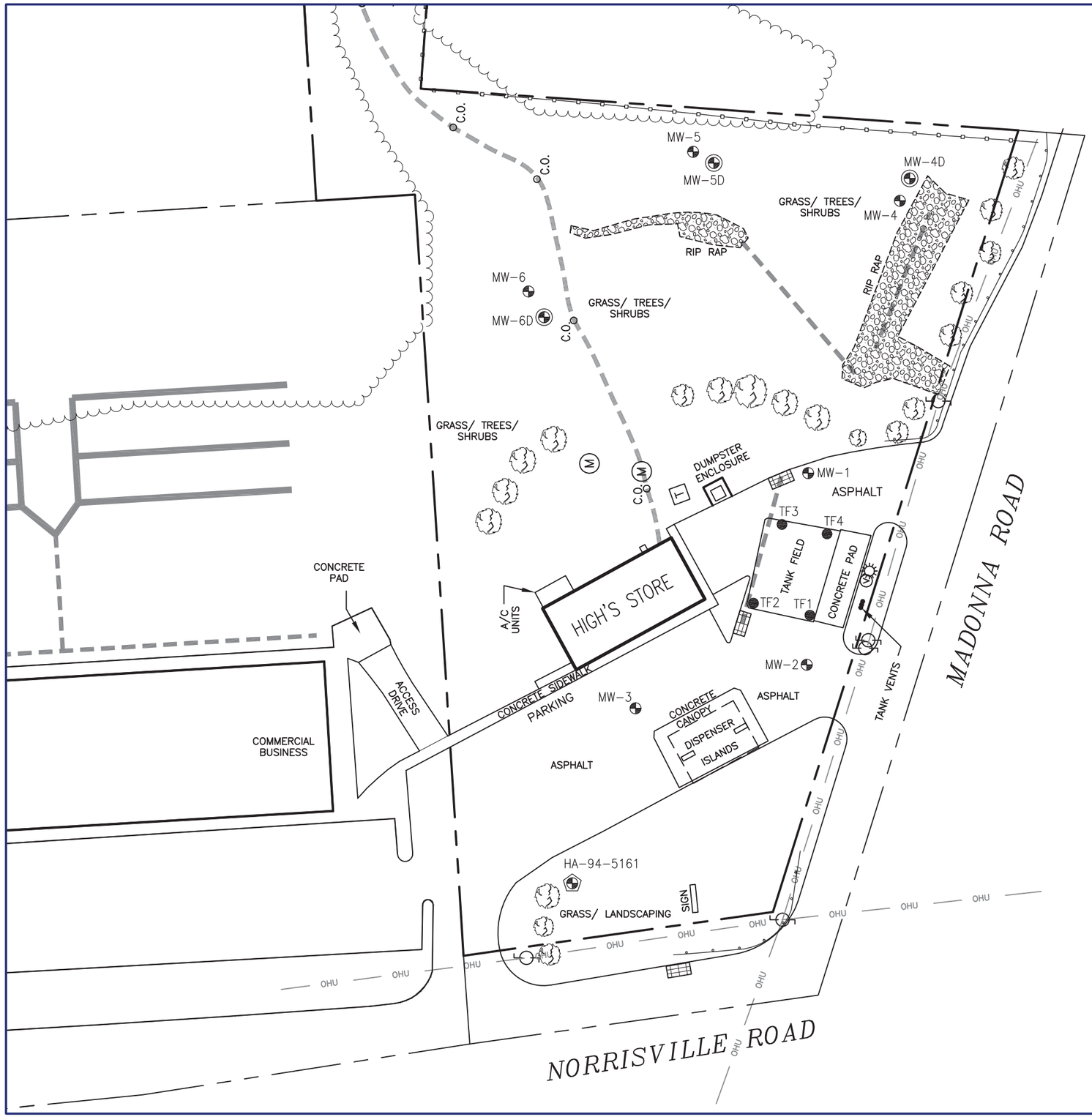
1. 3934 MADONNA ROAD
2. 3928 MADONNA ROAD
3. 3925 GREENPEAK ROAD
4. 3923 GREENPEAK ROAD
5. 3922 MADONNA ROAD (ANNUAL)
6. 3921 GREENPEAK ROAD (QUARTERLY)
7. 3922 GREENPEAK ROAD (QUARTERLY)
8. 3924 GREENPEAK ROAD
9. 3914 MADONNA ROAD (QUARTERLY)
10. 3908 MADONNA ROAD (ANNUAL)
11. 3931–3941 MADONNA ROAD
12. 3923 MADONNA ROAD
13. 3917–3919 MADONNA ROAD
14. 3911 MADONNA ROAD
15. 4111 CHARBONNET DRIVE
16. 4065 NORRISVILLE ROAD

Note:

1. Sample frequency is listed in parenthesis next to the address.

DRAFTED BY: W.A.W. (N.J.)	**LOCAL AREA MAP**
CHECKED BY: DR	**HIGH'S STORE #130** **4101 NORRISVILLE ROAD** **MADONNA, MARYLAND**
REVIEWED BY: GR	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE A, ODENTON, MD 21113
NORTH	SCALE IN FEET (APPROXIMATE) 0 300 / DATE 4–15–14 / FIGURE 2

M:\Graphics\0400-Crofton\Misc\Carroll Fuels\Carroll Fuels MadonnaCarroll Fuels Madonna LAM.dwg, 4/15/2014 8:33:42 AM, WWesterfund

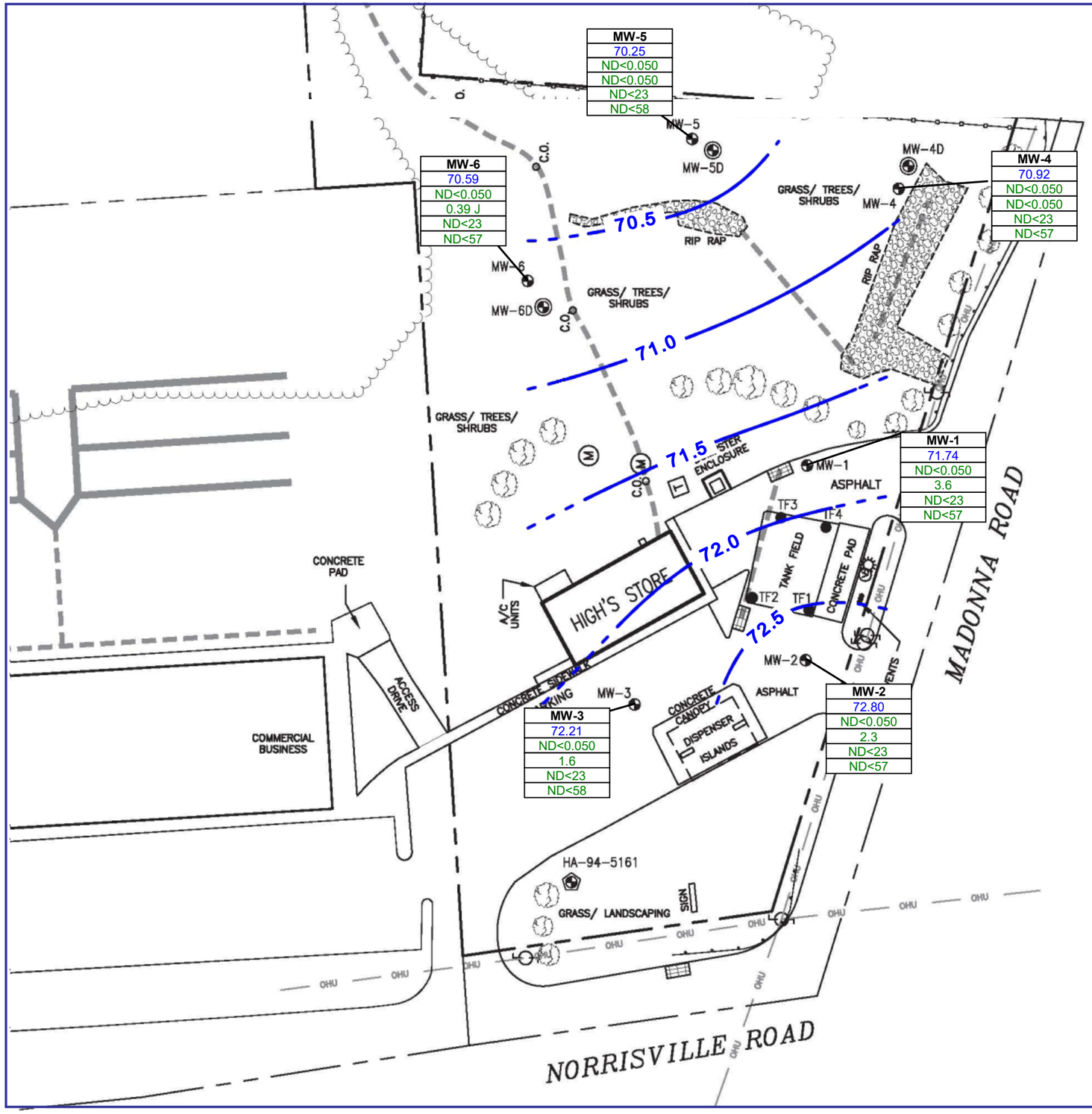


LEGEND

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

DRAFTED BY: W.A.W. (N.J.)	SITE MAP
CHECKED BY: D.R.	HIGH'S STORE #130 4101 NORRISVILLE ROAD MADONNA, MARYLAND
REVIEWED BY: P.R.	Groundwater & Environmental Services, Inc. 1350 BLAIR DRIVE, SUITE A, ODENTON, MD 21113
NORTH	SCALE IN FEET: 0 APPROXIMATE 50 / DATE: 8-20-15 / FIGURE: 3

M:\Graphics\0400-Crofton\Misc\Carroll Fuels\Carroll Fuels Madonna\Carroll Fuels Madonna SM.dwg, 8/20/2015 9:40:38 AM, wwesterlund



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GUARDRAIL
- WOOD FENCE
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- SANITARY SEWER CLEANOUT
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- MONITORING WELL
- DEEP MONITORING WELL
- TANK FIELD WELL
- 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

DRAFTED BY: AR

CHECKED BY: PR

REVIEWED BY: PR

NORTH

SHALLOW GROUNDWATER MONITORING MAP
April 26, 2022

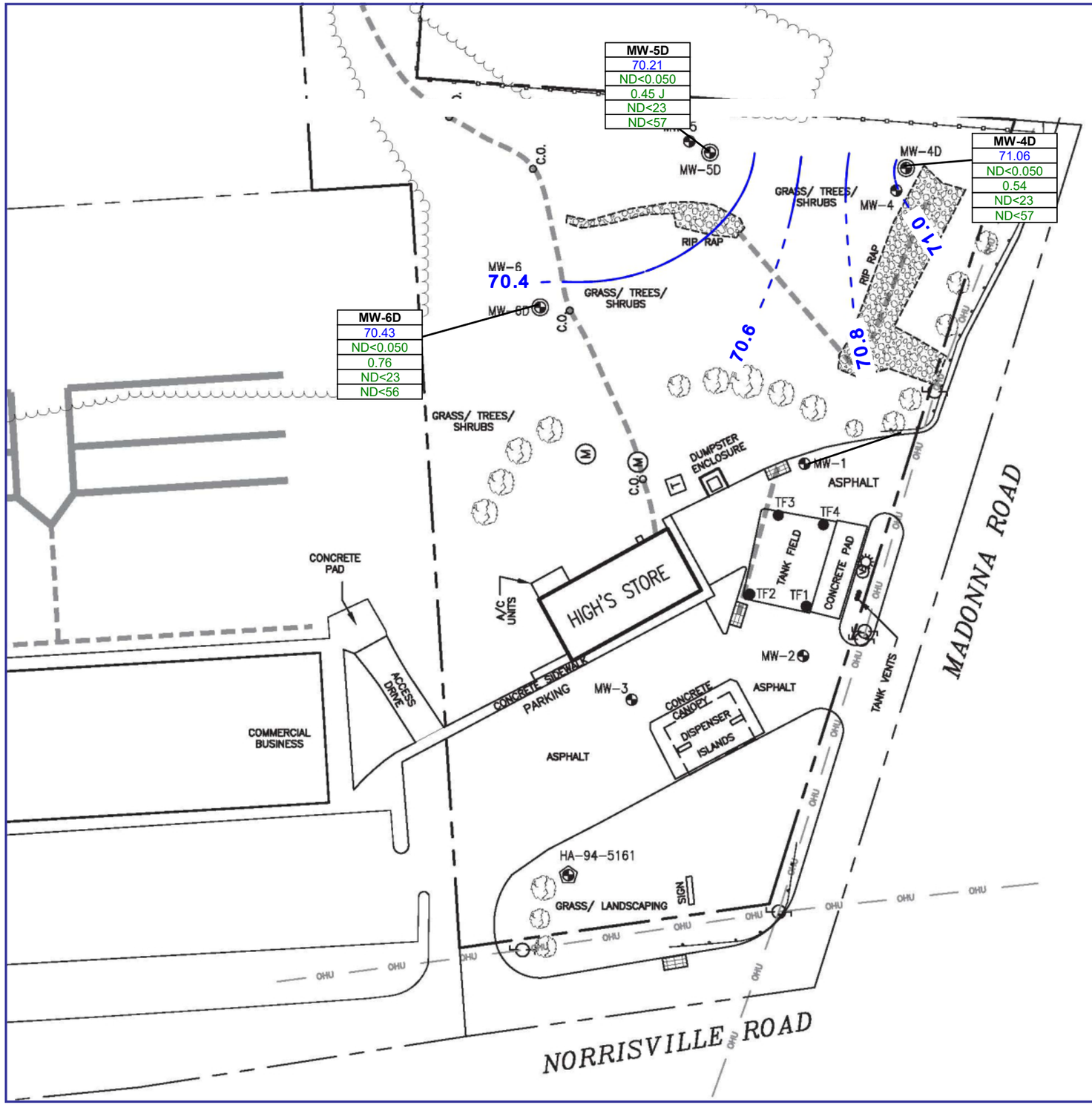
HIGH'S STORE #130
4101 NORRISVILLE ROAD
MADONNA, MARYLAND

Groundwater & Environmental Services, Inc.
1350 BLAIR DRIVE, SUITE H2, ODENTON, MD 21113

SCALE IN FEET: 0 APPROXIMATE 50

DATE: 5-19-2022

FIGURE: 4



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GUARDRAIL
- WOOD FENCE
- TREE LINE
- CATCH BASIN
- UTILITY POLE
- SANITARY SEWER UTILITY MANHOLE
- SANITARY SEWER CLEANOUT
- PAD MOUNTED TRANSFORMER
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- DEEP MONITORING WELL
- TANK FIELD WELL
- 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)

DRAFTED BY: AR

CHECKED BY: PR

REVIEWED BY: PR

NORTH

DEEP GROUNDWATER MONITORING MAP
April 26, 2022

HIGH'S STORE #130
4101 NORRISVILLE ROAD
MADONNA, MARYLAND

Groundwater & Environmental Services, Inc.
1350 BLAIR DRIVE, SUITE H2, ODENTON, MD 21113

SCALE IN FEET	DATE	FIGURE
0 APPROXIMATE 50	5-19-2022	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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
MW-1	07/13/2005	-	18.71	-	-	ND	2	ND	ND	1300	-	-	-	-	-	-	-	-	ND<1000	ND<1000	-	-
	12/28/2005	-	21.73	-	-	ND	15	ND	ND	1600	-	-	-	-	-	-	-	-	1500	ND	-	-
	06/15/2006	-	20.66	-	-	ND	ND	ND	ND	1200	-	-	-	-	-	-	-	-	900	ND	-	-
	01/17/2007	-	21.02	-	-	ND	ND	ND	ND	140	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/31/2007	-	20.78	-	-	ND	ND	ND	ND	190	-	-	-	-	-	-	-	-	ND	350	-	-
	01/23/2008	-	24.44	-	-	ND	ND	ND	ND	76	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/24/2008	-	21.68	-	-	ND	ND	ND	ND	210	-	-	-	-	-	-	-	-	300	ND	-	-
	01/30/2009	-	25.01	-	33.66	ND	ND	ND	ND	73	-	-	-	-	-	-	-	-	ND	260	-	-
	07/20/2009	-	23.51	-	33.66	ND	ND	ND	ND	120	-	-	-	-	-	-	-	-	ND	ND	-	-
	03/01/2010	-	18.80	-	-	ND	ND	ND	ND	130	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/31/2010	-	19.91	-	33.66	ND	ND	ND	ND	87	-	-	-	-	-	-	-	-	230	ND	-	-
	01/31/2011	-	23.41	-	33.66	6	ND	ND	ND	47	-	-	-	-	-	-	-	-	ND	260	-	-
	07/26/2011	-	19.79	-	33.66	38	ND	ND	ND	25	-	-	-	-	-	-	-	-	580	ND	-	-
	01/30/2012	-	18.96	-	33.50	27	ND	ND	ND	26	-	-	-	-	-	-	-	-	200	250	-	-
	07/05/2012	96.13	21.76	74.37	33.61	20.10	ND<2	ND<2	ND	17.60	ND<2	12.30	ND<2	200	ND<2	ND<2	530	ND<2	ND<100	ND<300	ND<2	ND<2
	02/18/2013	96.13	23.18	72.95	33.53	8.41	ND<1.00	ND<1.00	ND	20.90	ND<1.00	12.10	ND<1.00	ND<5.00	ND<1.00	ND<1.00	402	ND<1.00	ND<100	ND<152	ND<1	ND<1.00
	08/20/2013	96.13	22.15	73.98	34.25	2.24	ND<1.00	ND<1.00	ND	9.94	ND<1.00	8.26	ND<1.00	ND<5.00	ND<1.00	ND<1.00	372	ND<1.00	ND<100	ND<300	ND<1 VC	ND<1.00
	03/04/2014	96.13	21.73	74.40	35.70	ND<1.00	ND<1.00	ND<1.00	ND<2.00	11.2	ND<1.00	12.40	1.18	67.6	ND<1.00	ND<1.00	153	ND<1.00	ND<100	ND<150	ND<1	ND<1.00
	08/22/2014	96.13	19.36	76.77	35.10	ND<1.00	ND<1.00	ND<1.00	ND<2.00	8.08	ND<1.00	7.13	ND<1.00	37.1	ND<1.00	ND<1.00	73	ND<1.00	ND<100	ND<152	ND<1	ND<1.00
	05/26/2015	96.13	22.22	73.91	35.10	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<1.00	ND<20	ND<45	ND<0.1	ND<0.2
	08/20/2015	96.13	23.08	73.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	96.13	24.31	71.82	35.40	ND<0.1	ND<0.1	ND<0.1	ND<0.1	4.4	ND<0.1	1.4	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	63 J	ND<0.1	ND<0.2
	04/28/2016	96.13	21.13	75.00	35.55	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.8	ND<0.1	0.5 J	ND<0.1	NA	NA	ND<0.1	ND<4	0.1 J	ND<20	ND<45	ND<0.1	ND<0.2
	10/13/2016	96.13	24.44	71.69	35.70	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.1	ND<0.1	0.2 J	ND<0.1	NA	NA	ND<0.1	ND<4.0	0.3 J	ND<20	ND<45	ND<0.1	ND<0.2
	04/28/2017	96.13	25.90	70.23	35.70	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.5	ND<0.1	0.1 J	ND<0.1	NA	NA	ND<0.1	ND<0.4	0.6	ND<20	ND<45	ND<0.1	ND<0.2
	10/26/2017	96.13	25.45	70.68	35.70	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	0.70	ND<20	ND<45	ND<0.1	ND<0.2
	05/07/2018	96.13	24.88	71.25	35.70	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	1.30	ND<20	71 J	ND<0.1	ND<0.2
	10/25/2018	96.13	19.35	76.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2019	96.13	15.16	80.97	35.70	ND<0.05	ND<0.05	ND<0.05	ND<0.08	1.6	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	1.2	ND<11	56 J	ND<0.05	ND<0.06
	10/18/2019	96.13	21.02	75.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2020	96.13	21.64	74.49	35.70	ND<0.05	ND<0.07	ND<0.06	ND<0.02	5.6	ND<0.05	ND<0.05	ND<0.05	N/A	N/A	ND<0.02	ND<1.1	0.8	ND<23	ND<51	ND<0.09	ND<0.07
	11/17/2020	96.13	23.56	72.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2021	96.13	20.39	75.74	35.70	ND<0.050	ND<0.070	ND<0.060	ND<0.15	3.0	ND<0.050	ND<0.050	ND<0.05	NA	NA	ND<0.20	ND<1.1	0.75	ND<23	ND<57	ND<0.09	ND<0.07
	11/03/2021	96.13	24.07	72.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2022	96.13	24.39	71.74	35.70	ND<0.05	ND<0.07	ND<0.06	ND<0.15	3.6	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	0.58	ND<23	ND<57	ND<0.09	ND<0.07
MW-2	07/13/2005	-	19.64	-	-	ND	1	ND	ND	9	-	-	-	-	-	-	-	-	ND<1000	ND<1000	-	-
	12/28/2005	-	22.85	-	-	9	16	6	26	15	-	-	-	-	-	-	-	-	300	ND	-	-
	06/15/2006	-	21.65	-	-	ND	ND	ND	ND	26	-	-	-	-	-	-	-	-	ND	300	-	-
	01/17/2007	-	22.03	-	-	ND	ND	ND	ND	42	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/31/2007	-	21.84	-	-	ND	ND	ND	ND	4	-	-	-	-	-	-	-	-	ND	380	-	-
	01/23/2008	-	25.50	-	-	ND	ND	ND	ND	2	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/24/2008	-	22.42	-	-	ND	ND	ND	ND	3	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/30/2009	-	25.96	-	30.76	ND	ND	ND	ND	4	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/20/2009	-	24.35	-	30.76	ND	ND	ND	ND	5	-	-	-	-	-	-	-	-	ND	ND	-	-
	03/01/2010	-	19.97	-	-	ND	ND	ND	ND	4	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/31/2010	-	20.35	-	30.76	ND	ND	ND	ND	3	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/31/2011	-	24.14	-	30.76	ND	ND	ND	ND	6	-	-	-	-	-	-	-	-	ND	ND	-	-

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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
	07/26/2011	-	20.50	-	30.76	ND	ND	ND	ND	4	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/30/2012	-	19.96	-	31.20	ND	ND	ND	ND	5	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/05/2012	98.39	22.56	75.83	31.22	ND<2	ND<2	ND<2	ND<4	5.18	ND<2	ND<2	ND<2	ND<10	ND<2	ND<2	ND<10	ND<2	ND<100	ND<158	ND<2	ND<2
	02/18/2013	98.39	24.52	73.87	31.25	ND<1.00	ND<1.00	ND<1.00	ND<2	5.85	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<152	ND<1	ND<1.00
	08/20/2013	98.39	23.01	75.38	31.11	ND<1.00	ND<1.00	ND<1.00	ND<2	3.64	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<300	ND<1 VC	ND<1.00
	03/04/2014	98.39	23.15	75.24	31.11	ND<1.00	ND<1.00	ND<1.00	ND<2.0	5.28	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<150	ND<1	ND<1.00
	08/22/2014	98.39	19.90	78.49	31.37	ND<1.00	ND<1.00	ND<1.00	ND<2.0	4.36	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<153	ND<1	ND<1.00
	05/26/2015	98.39	23.02	75.37	31.37	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<1.00	ND<20	ND<45	ND<0.1	ND<0.2
	08/20/2015	98.39	23.67	74.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	98.39	24.82	73.57	32.08	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	0.2 J	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	04/28/2016	98.39	22.06	76.33	32.19	ND<0.1	ND<0.1	ND<0.1	ND<0.1	4.4	ND<0.1	ND<0.1	ND<0.1	NA	NA	0.2 J	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/13/2016	98.39	24.83	73.56	32.49	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.8	ND<0.1	ND<0.1	ND<0.1	NA	NA	0.2 J	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	04/28/2017	98.39	27.07	71.32	32.49	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3.8	ND<0.1	ND<0.1	ND<0.1	NA	NA	0.1 J	ND<0.4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/26/2017	98.39	26.20	72.19	35.70	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.8	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.1	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	05/07/2018	98.39	26.28	72.11	32.49	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.2	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	48 J	ND<0.1	ND<0.2
	10/25/2018	98.39	20.33	78.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2019	98.39	16.08	82.31	32.50	ND<0.05	ND<0.05	ND<0.05	ND<0.08	1.4	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	10/18/2019	98.39	21.40	76.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2020	98.39	22.60	75.79	32.50	ND<0.05	ND<0.07	ND<0.06	ND<0.02	2.1	ND<0.05	ND<0.05	ND<0.05	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<51	ND<0.09	ND<0.07
	11/17/2020	98.39	24.11	74.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2021	98.39	21.45	76.94	32.50	ND<0.050	ND<0.070	ND<0.060	ND<0.15	2.1	ND<0.050	ND<0.050	ND<0.050	NA	NA	ND<0.20	ND<1.1	ND<0.060	ND<23	ND<57	ND<0.090	ND<0.070
	11/03/2021	98.39	24.80	73.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2022	98.39	25.59	72.80	32.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	2.3	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.060	ND<23	ND<57	ND<0.09	ND<0.07
MW-3	07/13/2005	-	19.79	-	-	ND	1	ND	ND	180	-	-	-	-	-	-	-	-	600	ND<1000	-	-
	12/28/2005	-	22.91	-	-	6	12	4	21	280	-	-	-	-	-	-	-	-	ND	720	-	-
	06/15/2006	-	21.70	-	-	ND	ND	ND	ND	330	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/17/2007	-	22.16	-	-	ND	ND	ND	ND	140	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/31/2007	-	21.98	-	-	ND	ND	ND	ND	190	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/23/2008	-	25.46	-	-	ND	ND	ND	ND	69	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/24/2008	-	22.49	-	-	ND	ND	ND	ND	12	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/30/2009	-	25.84	-	36.03	ND	ND	ND	ND	3	-	-	-	-	-	-	-	-	ND	ND	-	-
	07/20/2009	-	24.30	-	36.03	ND	7	ND	ND	4	-	-	-	-	-	-	-	-	ND	260	-	-
	03/01/2010	-	20.03	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	ND	1100	-	-
	07/31/2010	-	20.41	-	36.03	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	ND	240	-	-
	01/31/2011	-	23.90	-	36.03	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	ND	450	-	-
	07/26/2011	-	20.58	-	36.03	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	ND	ND	-	-
	01/30/2012	-	20.04	-	31.00	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	ND	230	-	-
	07/05/2012	97.79	22.60	75.19	30.95	ND<2	ND<2	ND<2	ND<4	3	ND<2	ND<2	ND<2	ND<10	ND<2	ND<2	ND<10	ND<2	ND<100	261	ND<2	ND<2
	02/18/2013	97.79	24.45	73.34	31.40	ND<1.00	ND<1.00	ND<1.00	ND<2.00	5	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	835	ND<1	ND<1.00
	08/20/2013	97.79	23.03	74.76	35.70	ND<1.00	ND<1.00	ND<1.00	ND<2.00	2	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<600	ND<1 VC	ND<1.00
	03/04/2014	97.79	23.21	74.58	34.25	ND<1.00	ND<1.00	ND<1.00	ND<2.00	4	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<153	ND<1	ND<1.00
	08/22/2014	97.79	19.98	77.81	34.93	ND<1.00	ND<1.00	ND<1.00	ND<2.00	2	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<100	ND<152	ND<1	ND<1.00
	05/26/2015	97.79	23.07	74.72	34.93	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<1.00	ND<20	ND<45	0.2 J	ND<0.2
	08/20/2015	97.79	23.72	74.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	97.79	24.83	72.96	35.10	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	0.2 J	ND<0.2
	04/28/2016	97.79	22.14	75.65	35.20	ND<0.1	ND<0.1	ND<0.1	ND<0.1	3	ND<0.1	ND<0.1	ND<0.1	NA	NA	0.2 J	ND<4	ND<0.1	ND<20	ND<45	0.1 J	ND<0.2
	10/13/2016	97.79	24.83	72.96	35.47	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	0.2 J	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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
	04/28/2017	97.79	27.02	70.77	35.47	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	0.1 J	ND<0.4	ND<0.1	ND<20	ND<45	0.1 J	ND<0.2
	10/26/2017	97.79	26.22	71.57	35.47	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.9	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.2	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	05/07/2018	97.79	26.24	71.55	35.47	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/25/2018	97.79	20.53	77.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/30/2019	97.79	16.27	81.52	35.50	ND<0.05	ND<0.05	ND<0.05	ND<0.08	2.3	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	10/18/2019	97.79	21.48	76.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/16/2020	97.79	22.67	75.12	35.50	ND<0.05	ND<0.07	ND<0.06	ND<0.02	1.7	ND<0.05	ND<0.05	ND<0.05	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.07
	11/17/2020	97.79	24.14	73.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2021	97.79	21.55	76.24	35.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	1.4	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.070
	11/03/2021	97.79	24.82	72.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/26/2022	97.79	25.58	72.21	35.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	1.6	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.07
MW-4	07/30/2015	91.56	19.25	72.31	32.11	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	08/20/2015	91.56	19.70	71.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	91.56	21.20	70.36	32.05	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	0.2 J	ND<0.2
	04/28/2016	91.56	17.42	74.14	32.04	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	0.1 J	ND<0.2
	10/13/2016	91.56	21.36	70.20	32.13	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	0.1 J	ND<0.2
	04/28/2017	91.56	22.17	69.39	32.13	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<0.4	ND<0.1	ND<20	ND<45	0.2 J	ND<0.2
	10/26/2017	91.56	22.14	69.42	32.13	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.3	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	05/07/2018	91.56	21.01	70.55	32.13	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/25/2018	91.56	15.40	76.16	32.12	ND<0.05	ND<0.05	ND<0.05	ND<0.08	ND<0.05	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	04/30/2019	91.56	11.35	80.21	32.15	ND<0.05	ND<0.05	ND<0.05	ND<0.08	ND<0.05	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	61	89 J	ND<0.05	ND<0.06
	10/18/2019	91.56	18.30	73.26	32.15	ND<0.05	ND<0.05	ND<0.05	ND<0.08	ND<0.05	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	0.2 J	ND<0.06
	04/16/2020	91.56	18.13	73.43	32.15	ND<0.05	ND<0.07	ND<0.06	ND<0.02	ND<0.05	ND<0.05	ND<0.05	ND<0.05	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<51	ND<0.09	ND<0.07
	11/17/2020	91.56	20.56	71.00	32.15	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	0.19 J	ND<0.07
	04/26/2021	91.56	16.60	74.96	32.15	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	0.099 J	ND<0.07
	11/03/2021	91.56	20.94	70.62	32.15	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	0.15 J	ND<0.07
	04/26/2022	91.56	20.64	70.92	32.15	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	0.13 J	ND<0.07
MW-4D	07/30/2015	91.2	18.77	72.43	89.60	0.2 J	0.3 J	0.1 J	ND<0.1	2.9	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	49 J	ND<0.1	ND<0.2
	08/20/2015	91.2	19.16	72.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/21/2015	91.2	20.51	70.69	89.15	ND<0.1	ND<0.1	ND<0.1	ND<0.1	5.7	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	04/28/2016[1]	91.2	16.93	74.27	89.60	ND<0.1	ND<0.1	ND<0.1	ND<0.1	6.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	440	ND<0.1	ND<0.2
	10/13/2016	91.2	20.70	70.50	89.25	0.5 J	ND<0.1	ND<0.1	ND<0.1	7.2	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	300	ND<0.1	ND<0.2
	04/28/2017	91.20	21.64	69.56	89.25	0.6	ND<0.1	ND<0.1	ND<0.1	8.5	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<0.4	ND<0.1	ND<20	64 J	ND<0.1	ND<0.2
	10/26/2017	91.20	21.65	69.55	89.25	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.4 J	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	05/07/2018	91.20	20.58	70.62	89.25	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.9	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	82 J	ND<0.1	ND<0.2
	10/25/2018	91.20	15.13	76.07	89.25	ND<0.05	ND<0.05	ND<0.05	ND<0.08	1.2	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	2400	ND<0.05	ND<0.06
	04/30/2019	91.20	11.23	79.97	89.25	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.6	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	110	ND<0.05	ND<0.06
	10/18/2019	91.20	17.45	73.75	89.25	ND<0.05	ND<0.05	ND<0.05	ND<0.08	0.4 J	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	90 J	ND<0.05	ND<0.06
	04/16/2020	91.20	17.56	73.64	89.25	ND<0.05	ND<0.07	ND<0.06	ND<0.02	0.5 J	ND<0.05	0.05 J	ND<0.05	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.07
	11/17/2020	91.20	19.90	71.30	89.25	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.34 J	ND<0.05	0.050 J	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	93 J	ND<0.09	ND<0.07
	04/26/2021	91.20	16.45	74.75	89.25	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.49 J	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.07
	11/03/2021	91.20	20.35	70.85	89.25	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.55	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	750	ND<0.09	ND<0.07
	04/26/2022	91.20	20.14	71.06	89.23	ND<0.05	ND<0.07	ND<0.06	ND<0.15	0.54	ND<0.05	0.059 J	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.07
MW-5	07/30/2015	85.69	14.55	71.14	29.68	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	08/20/2015	85.69	15.08	70.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
	10/21/2015	85.69	16.31	69.38	29.55	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	04/28/2016	85.69	12.65	73.04	29.55	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/13/2016	85.69	16.63	69.06	29.48	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	04/28/2017	85.69	16.84	68.85	29.48	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<0.4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/26/2017	85.69	17.48	68.21	29.48	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.5	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	05/07/2018	85.69	15.88	69.81	29.48	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	10/25/2018	85.69	10.91	74.78	28.87	ND<0.05	ND<0.05	ND<0.05	ND<0.08	ND<0.05	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	04/30/2019	85.69	6.85	78.84	29.50	ND<0.05	ND<0.05	ND<0.05	ND<0.08	ND<0.05	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	10/18/2019	85.69	13.70	71.99	29.50	ND<0.05	ND<0.05	ND<0.05	ND<0.08	ND<0.05	ND<0.09	ND<0.05	ND<0.06	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	04/16/2020	85.69	13.13	72.56	29.50	ND<0.05	ND<0.07	ND<0.06	ND<0.02	ND<0.05	ND<0.05	ND<0.05	ND<0.05	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.07
	11/17/2020	85.69	15.64	70.05	29.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.07
	04/26/2021	85.69	11.83	73.86	29.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.07
	11/03/2021	85.69	16.05	69.64	29.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	64 J	ND<0.09	ND<0.07
	04/26/2022	85.69	15.44	70.25	29.50	ND<0.05	ND<0.07	ND<0.06	ND<0.15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.07
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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	730	ND<0.05	ND<0.06
	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	140	ND<0.05	ND<0.06
	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	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	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	360	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<57	ND<0.09	ND<0.07
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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	ND<0.1	ND<4.7	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	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	NA	NA	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	NA	NA	ND<0.3	ND<1.6	0.06 J	ND<11	ND<53	0.1 J	ND<0.06
	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	0.05 J	ND<0.06
	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	NA	NA	ND<0.3	ND<1.6	0.1 J	ND<11	ND<53	0.05 J	0.07 J
	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	N/A	N/A	ND<0.02	ND<1.1	0.1 J	ND<23	ND<50	ND<0.09	0.09 J
	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	NA	NA	ND<0.20	ND<1.1	0.12 J	ND<23	ND<59	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	0.17 J	ND<23	ND<59	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	0.18 J	ND<23	ND<57	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	0.19 J	ND<23	ND<57	ND<0.09	0.072 J

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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
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	NA	NA	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	NA	NA	0.2 J	ND<4	ND<0.1	ND<20	110	ND<0.1	ND<0.2
	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	NA	NA	ND<0.1	ND<4	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	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	NA	NA	ND<0.1	ND<4.0	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	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	NA	NA	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	NA	NA	ND<0.1	ND<4.8	ND<0.1	ND<20	ND<45	ND<0.1	ND<0.2
	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	NA	NA	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	160	ND<0.05	ND<0.06
	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	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	NA	NA	ND<0.3	ND<1.6	ND<0.05	ND<11	ND<53	ND<0.05	ND<0.06
	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	N/A	N/A	ND<0.02	ND<1.1	ND<0.06	ND<23	ND<50	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	74 J	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<58	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	210	ND<0.09	ND<0.07
	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	NA	NA	ND<0.20	ND<1.1	ND<0.06	ND<23	ND<56	ND<0.09	ND<0.07
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-2	01/30/2009	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/20/2009	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/31/2010	-	DRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TF-4	01/30/2012	-	12.43	-	12.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	07/05/2012	-	DRY	-	12.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 alcohol (µg/L)	Tert-Amyl Ethyl 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)	Methylene chloride (µg/L)
GW Clean-up Standards*						**5.0**	**1,000**	**700**	**10,000**	**20**	**0.17**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5.0**	**47**	**47**	**80**	**5.0**
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
* 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.
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<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
	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

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	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
	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
	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<0.2	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<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<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]	0.14 J	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<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<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<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<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<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<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<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<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<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<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<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<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<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<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<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<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<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<3.0[1]	ND<3.0[1]	1.9 J	ND<0.5[1]
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	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	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<0.2	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<0.2	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
	11/17/2020	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
	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
	04/26/2021	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
	08/05/2021	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
	11/03/2021	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
	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<2.5	ND<0.10
	04/26/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	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

Table 2

HISTORICAL POTABLE WELL ANALYTICAL DATA SUMMARY

High's Store No. 130
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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**
	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<3.0[1]	ND<3.0[1]	2.20	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<2.5	ND<0.1
	07/31/2018	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<0.2	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<0.2	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
	11/17/2020	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
	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
	04/26/2021	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
	08/05/2021	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
	11/03/2021	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
	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<2.5	ND<0.10
	04/26/2022	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.20	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

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**
	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	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
	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	ND<0.1	4.3 J	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

Table 2

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High's Store No. 130
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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**
	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	1.0	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
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<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<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<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	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
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

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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**
	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<1	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

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**
	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
	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
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
	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

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**
	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<0.2	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
	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<2.5	ND<0.1
	03/09/2016	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	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
	08/16/2016	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
	10/18/2016	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
	01/26/2017	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<0.2	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<0.2	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
	02/27/2018	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]	0.78 J	ND<0.5[1]
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	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	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<0.2	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	0.12 J	ND<0.20	ND<0.10	ND<0.10	ND<0.10	ND<2.5	ND<0.10

Table 2

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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	ND	NT
	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	ND	ND<0.5	ND<0.5	ND<0.5	ND	ND	NT
	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	ND	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<2.5	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	ND<0.5	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	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	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
	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	ND<0.5	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<0.2	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
	11/19/2015	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
	03/09/2016	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
	08/16/2016	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

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**
	10/18/2016	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
	01/26/2017	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
	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
	09/06/2017	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
	02/27/2018	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]	0.86 J	ND<0.5[1]
	04/26/2018	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.2	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

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**
	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-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	ND<0.5
	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	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	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
3923 MADONNA	08/19/2008**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.59

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**
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
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<0.2	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<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
	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<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<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<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<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<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**
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

Notes:
*Groundwater (GW) Cleanup Standards are taken from 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 method 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 *Request for Reduction of Sampling Parameters* to MDE-OCP.
7/18/2008	Based on the results in *Adjacent Well Sampling Event*, 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 *Reduction in Sampling Parameters Denied.*
3/24/2009	The MDE-OCP issues *Request for Subsurface Investigation* directive to the DNR Ranger Station facility located at 3919 Madonna Rd, Jarrettsville, MD.
1/7/2010	The MDE-OCP issues *Official Notice* 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 *Site Status Letter* 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 *Site Status Letter* 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	*Site Investigation Work Plan* 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 *Site Investigation Work Plan*.
5/28/2015	MDE issues *Site Investigation Work Plan* 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 *Site Investigation Report* 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 *Sampling Change Approval – September 13, 2016* directive from the MDE, approving GES' reduced "target" EPA 524.2 VOCs list.
12/8/2016	GES submits the *2nd Semi-Annual 2016 Monitoring Report & Conceptual Site Model* 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 *Request for Continued Sampling* letter dated May 16, 2017 in response to the *2nd Semi-Annual 2016 Monitoring Report & Conceptual Site Model.*
6/9/2017	GES requests and is granted a two-week extension for submission of *1st Semi-annual 2017 Monitoring Report* originally due to the MDE on June 12, 2017.
6/22/2017	GES submits the *1st Semi-Annual 2017 Monitoring Report* to the MDE.
12/8/2017	GES submits the *2nd Semi-Annual 2017 Monitoring Report* to the MDE.
12/13/2017	GES receives *Request for Cooperative Sampling – December 13, 2017.*

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

APPENDIX B

Laboratory Reports and Chain of Custody Documentation

Eurofins Lancaster Laboratories
ID Numbers:
410-72545-1
410-81783-1
410-81794-1

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-72545-1
Client Project/Site: Carroll Madonna

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

Attn: Peter Reichardt

Authorized for release by:
2/14/2022 10:58:37 AM

Amek Carter, Project Manager
(717)556-7252
Loran.Carter@eurofinset.com

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.

Amek Carter
Project Manager
2/14/2022 10:58:37 AM

Table of Contents

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-72545-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-72545-1

Receipt
The samples were received on 2/10/2022 5:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA
Method 524.2_Preserved: Volatile compounds have been detected above the RL for the following samples: 3914 Madonna-INF (410-72545-5) and 3922 Greenpeak-INF (410-72545-7). 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
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 4101 Norrisville — Lab Sample ID: 410-72545-1

No Detections.

Client Sample ID: 3921 Greenpeak-EFF — Lab Sample ID: 410-72545-2

No Detections.

Client Sample ID: 3921 Greenpeak-MID — Lab Sample ID: 410-72545-3

No Detections.

Client Sample ID: 3921 Greenpeak-INF — Lab Sample ID: 410-72545-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.29	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: 3914 Madonna-INF — Lab Sample ID: 410-72545-5

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

Client Sample ID: 3922 Madonna-INF — Lab Sample ID: 410-72545-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.12	J	0.50	0.10	ug/L	1		524.2	Total/NA
Tetrachloroethene	0.31	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: 3922 Greenpeak-INF — Lab Sample ID: 410-72545-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	1.0	cn	0.50	0.10	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 4101 Norrisville
Lab Sample ID: 410-72545-1
Date Collected: 02/09/22 08:45
Matrix: Potable Water
Date Received: 02/10/22 17:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Benzene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
t-Butyl alcohol	ND		25	2.5	ug/L			02/12/22 00:21	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Chlorobenzene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Ethylbenzene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Methylene Chloride	ND		0.50	0.20	ug/L			02/12/22 00:21	1
Naphthalene	ND		0.50	0.20	ug/L			02/12/22 00:21	1
Styrene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Tetrachloroethene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Toluene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			02/12/22 00:21	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 00:21	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Trichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Vinyl chloride	ND		0.50	0.10	ug/L			02/12/22 00:21	1
Xylenes, Total	ND		0.50	0.10	ug/L			02/12/22 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/12/22 00:21*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*80 - 120*		*02/12/22 00:21*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-EFF
Lab Sample ID: 410-72545-2
Date Collected: 02/09/22 09:10
Matrix: Potable Water
Date Received: 02/10/22 17:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Benzene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
t-Butyl alcohol	ND		25	2.5	ug/L			02/12/22 00:44	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Chlorobenzene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Ethylbenzene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Methylene Chloride	ND		0.50	0.20	ug/L			02/12/22 00:44	1
Naphthalene	ND		0.50	0.20	ug/L			02/12/22 00:44	1
Styrene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Tetrachloroethene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Toluene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			02/12/22 00:44	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 00:44	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Trichloroethene	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Vinyl chloride	ND		0.50	0.10	ug/L			02/12/22 00:44	1
Xylenes, Total	ND		0.50	0.10	ug/L			02/12/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/12/22 00:44*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*80 - 120*		*02/12/22 00:44*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-MID
Lab Sample ID: 410-72545-3
Date Collected: 02/09/22 09:15
Matrix: Potable Water
Date Received: 02/10/22 17:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Benzene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
t-Butyl alcohol	ND		25	2.5	ug/L			02/12/22 01:07	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Chlorobenzene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Ethylbenzene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Methylene Chloride	ND		0.50	0.20	ug/L			02/12/22 01:07	1
Naphthalene	ND		0.50	0.20	ug/L			02/12/22 01:07	1
Styrene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Tetrachloroethene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Toluene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			02/12/22 01:07	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 01:07	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Trichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Vinyl chloride	ND		0.50	0.10	ug/L			02/12/22 01:07	1
Xylenes, Total	ND		0.50	0.10	ug/L			02/12/22 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*02/12/22 01:07*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*02/12/22 01:07*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-INF
Lab Sample ID: 410-72545-4
Date Collected: 02/09/22 09:20
Matrix: Potable Water
Date Received: 02/10/22 17:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Benzene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
t-Butyl alcohol	ND		25	2.5	ug/L			02/12/22 01:30	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Chlorobenzene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Ethylbenzene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Methyl tertiary butyl ether	**0.29**	**J**	0.50	0.10	ug/L			02/12/22 01:30	1
Methylene Chloride	ND		0.50	0.20	ug/L			02/12/22 01:30	1
Naphthalene	ND		0.50	0.20	ug/L			02/12/22 01:30	1
Styrene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Tetrachloroethene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Toluene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			02/12/22 01:30	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 01:30	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Trichloroethene	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Vinyl chloride	ND		0.50	0.10	ug/L			02/12/22 01:30	1
Xylenes, Total	ND		0.50	0.10	ug/L			02/12/22 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*02/12/22 01:30*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*02/12/22 01:30*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 3914 Madonna-INF
Lab Sample ID: 410-72545-5
Date Collected: 02/09/22 09:40
Matrix: Potable Water
Date Received: 02/10/22 17:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Benzene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			02/12/22 01:53	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,2-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Methyl tertiary butyl ether	**0.68**	**cn**	0.50	0.10	ug/L			02/12/22 01:53	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			02/12/22 01:53	1
Naphthalene	ND	cn	0.50	0.20	ug/L			02/12/22 01:53	1
Styrene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Tetrachloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Toluene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			02/12/22 01:53	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			02/12/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*	*cn*	*80 - 120*		*02/12/22 01:53*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*97*	*cn*	*80 - 120*		*02/12/22 01:53*	*1*

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

Job ID: 410-72545-1

Client Sample ID: 3922 Madonna-INF
Date Collected: 02/09/22 10:10
Date Received: 02/10/22 17:59

Lab Sample ID: 410-72545-6
Matrix: Potable Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Benzene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
t-Butyl alcohol	ND		25	2.5	ug/L			02/12/22 02:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Chlorobenzene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Ethylbenzene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Methyl tertiary butyl ether	**0.12**	**J**	0.50	0.10	ug/L			02/12/22 02:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			02/12/22 02:17	1
Naphthalene	ND		0.50	0.20	ug/L			02/12/22 02:17	1
Styrene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Tetrachloroethene	**0.31**	**J**	0.50	0.10	ug/L			02/12/22 02:17	1
Toluene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			02/12/22 02:17	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 02:17	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Trichloroethene	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			02/12/22 02:17	1
Xylenes, Total	ND		0.50	0.10	ug/L			02/12/22 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/12/22 02:17*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*80 - 120*		*02/12/22 02:17*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 3922 Greenpeak-INF
Lab Sample ID: 410-72545-7
Date Collected: 02/09/22 10:40
Matrix: Potable Water
Date Received: 02/10/22 17:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Benzene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			02/12/22 02:40	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,2-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Methyl tertiary butyl ether	**1.0**	**cn**	0.50	0.10	ug/L			02/12/22 02:40	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			02/12/22 02:40	1
Naphthalene	ND	cn	0.50	0.20	ug/L			02/12/22 02:40	1
Styrene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Tetrachloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Toluene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			02/12/22 02:40	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			02/12/22 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*	*cn*	*80 - 120*		*02/12/22 02:40*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*	*cn*	*80 - 120*		*02/12/22 02:40*	*1*

Surrogate Summary

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

Job ID: 410-72545-1

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

Matrix: Potable Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB	DCZ										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
410-72545-1	4101 Norrisville	95	96										
410-72545-2	3921 Greenpeak-EFF	95	96										
410-72545-3	3921 Greenpeak-MID	94	95										
410-72545-4	3921 Greenpeak-INF	94	95										
410-72545-5	3914 Madonna-INF	96 cn	97 cn										
410-72545-6	3922 Madonna-INF	95	94										
410-72545-7	3922 Greenpeak-INF	96 cn	96 cn										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB	DCZ										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
LCS 410-223255/4	Lab Control Sample	99	100										
MB 410-223255/6	Method Blank	96	95										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

Lab Sample ID: MB 410-223255/6
Matrix: Water
Analysis Batch: 223255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Benzene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
t-Butyl alcohol	ND		25	2.5	ug/L			02/11/22 18:56	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Chlorobenzene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Ethylbenzene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Methylene Chloride	ND		0.50	0.20	ug/L			02/11/22 18:56	1
Naphthalene	ND		0.50	0.20	ug/L			02/11/22 18:56	1
Styrene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Tetrachloroethene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Toluene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			02/11/22 18:56	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			02/11/22 18:56	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Trichloroethene	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Vinyl chloride	ND		0.50	0.10	ug/L			02/11/22 18:56	1
Xylenes, Total	ND		0.50	0.10	ug/L			02/11/22 18:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/11/22 18:56*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*02/11/22 18:56*	*1*

Lab Sample ID: LCS 410-223255/4
Matrix: Water
Analysis Batch: 223255

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
t-Amyl methyl ether	5.00	4.64		ug/L		93	70 - 130
Benzene	5.00	4.72		ug/L		94	70 - 130
t-Butyl alcohol	50.0	47.4		ug/L		95	70 - 130
Carbon tetrachloride	5.00	5.70		ug/L		114	70 - 130
Chlorobenzene	5.00	4.68		ug/L		94	70 - 130
1,2-Dichlorobenzene	5.00	4.70		ug/L		94	70 - 130
1,3-Dichlorobenzene	5.00	4.68		ug/L		94	70 - 130
1,2-Dichloroethane	5.00	4.75		ug/L		95	70 - 130
1,1-Dichloroethene	5.00	4.86		ug/L		97	70 - 130
cis-1,2-Dichloroethene	5.00	4.82		ug/L		96	70 - 130
trans-1,2-Dichloroethene	5.00	4.72		ug/L		94	70 - 130

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

Lab Sample ID: LCS 410-223255/4
Matrix: Water
Analysis Batch: 223255

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	5.00	4.84		ug/L		97	70 - 130
Ethyl t-butyl ether	5.00	4.81		ug/L		96	70 - 130
Ethylbenzene	5.00	4.73		ug/L		95	70 - 130
di-Isopropyl ether	5.00	4.56		ug/L		91	70 - 130
Methyl tertiary butyl ether	5.00	4.60		ug/L		92	70 - 130
Methylene Chloride	5.00	4.77		ug/L		95	70 - 130
Naphthalene	5.00	4.31		ug/L		86	70 - 130
Styrene	5.00	4.75		ug/L		95	70 - 130
Tetrachloroethene	5.00	4.79		ug/L		96	70 - 130
Toluene	5.00	4.68		ug/L		94	70 - 130
1,2,4-Trichlorobenzene	5.00	4.45		ug/L		89	70 - 130
1,1,1-Trichloroethane	5.00	5.12		ug/L		102	70 - 130
1,1,2-Trichloroethane	5.00	4.86		ug/L		97	70 - 130
Trichloroethene	5.00	4.66		ug/L		93	70 - 130
Vinyl chloride	2.00	2.03		ug/L		102	70 - 130
Xylenes, Total	15.0	14.1		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
1,2-Dichlorobenzene-d4 (Surr)	*100*		*80 - 120*

QC Association Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

GC/MS VOA

Analysis Batch: 223255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72545-1	4101 Norrisville	Total/NA	Potable Water	524.2	
410-72545-2	3921 Greenpeak-EFF	Total/NA	Potable Water	524.2	
410-72545-3	3921 Greenpeak-MID	Total/NA	Potable Water	524.2	
410-72545-4	3921 Greenpeak-INF	Total/NA	Potable Water	524.2	
410-72545-5	3914 Madonna-INF	Total/NA	Potable Water	524.2	
410-72545-6	3922 Madonna-INF	Total/NA	Potable Water	524.2	
410-72545-7	3922 Greenpeak-INF	Total/NA	Potable Water	524.2	
MB 410-223255/6	Method Blank	Total/NA	Water	524.2	
LCS 410-223255/4	Lab Control Sample	Total/NA	Water	524.2	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Client Sample ID: 4101 Norrisville
Lab Sample ID: 410-72545-1
Date Collected: 02/09/22 08:45
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 00:21	USEJ	ELLE

Client Sample ID: 3921 Greenpeak-EFF
Lab Sample ID: 410-72545-2
Date Collected: 02/09/22 09:10
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 00:44	USEJ	ELLE

Client Sample ID: 3921 Greenpeak-MID
Lab Sample ID: 410-72545-3
Date Collected: 02/09/22 09:15
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 01:07	USEJ	ELLE

Client Sample ID: 3921 Greenpeak-INF
Lab Sample ID: 410-72545-4
Date Collected: 02/09/22 09:20
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 01:30	USEJ	ELLE

Client Sample ID: 3914 Madonna-INF
Lab Sample ID: 410-72545-5
Date Collected: 02/09/22 09:40
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 01:53	USEJ	ELLE

Client Sample ID: 3922 Madonna-INF
Lab Sample ID: 410-72545-6
Date Collected: 02/09/22 10:10
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 02:17	USEJ	ELLE

Client Sample ID: 3922 Greenpeak-INF
Lab Sample ID: 410-72545-7
Date Collected: 02/09/22 10:40
Matrix: Potable Water
Date Received: 02/10/22 17:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	223255	02/12/22 02:40	USEJ	ELLE

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Laboratory: Eurofins Lancaster Laboratories Env, 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	06-30-22

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		Potable Water	1,3-Dichlorobenzene
524.2		Potable Water	di-Isopropyl ether
524.2		Potable Water	Ethyl t-butyl ether
524.2		Potable Water	Methyl tertiary butyl ether
524.2		Potable Water	Naphthalene
524.2		Potable Water	t-Amyl methyl ether
524.2		Potable Water	t-Butyl alcohol

Method Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

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 Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-72545-1
Project/Site: Carroll Madonna

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-72545-1	4101 Norrisville	Potable Water	02/09/22 08:45	02/10/22 17:59
410-72545-2	3921 Greenpeak-EFF	Potable Water	02/09/22 09:10	02/10/22 17:59
410-72545-3	3921 Greenpeak-MID	Potable Water	02/09/22 09:15	02/10/22 17:59
410-72545-4	3921 Greenpeak-INF	Potable Water	02/09/22 09:20	02/10/22 17:59
410-72545-5	3914 Madonna-INF	Potable Water	02/09/22 09:40	02/10/22 17:59
410-72545-6	3922 Madonna-INF	Potable Water	02/09/22 10:10	02/10/22 17:59
410-72545-7	3922 Greenpeak-INF	Potable Water	02/09/22 10:40	02/10/22 17:59

410-72545 Chain of Custody

Environmental Analysis Request/Chain of Custody

Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.

Project Name/#: Carroll Madonna | Site ID #:

Project Manager: Peter Reichardt | P.O. #: 0403344/06/209

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x 3726 | Quote #:

State where sample(s) were collected: 4101 Norrisville Rd, Jarrettsville MD

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Water: Potable	Water: Ground	Water: Surface	Water: NPDES	Other:	Total # of Containers	Analyses Requested: Target VOCs List plus oxygenates and Napthalene (524.2)	Preservation Codes: H
4101 Norrisville	2-9-22	0845	X				X					3	X	
3921 Greenpeak - EFF		0910												
3921 Greenpeak - MID		0915												
3921 Greenpeak - INF		0920												
3914 Madonna - INF		0940												
3922 Madonna - INF		1010												
3922 Greenpeak - INF	2-9-22	1040	X				X					3	X	

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

For Lab Use Only: SF #: _____ SCR #: _____

Remarks:
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 ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: midatlatnic@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

EQEDD Name: Carroll Madonna-lab report #.21933.EQEDD.zip

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	2-9-22	1245	Denise Woodring	2-9-22	1245
Denise Woodring	2-10-22	1416	[illegible]	2/10/22	14:16
[illegible]	2/10/22	17:40			

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt 1.8 °C

3 1754

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7045 0614

CL

KMM

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-72545-1

Login Number: 72545

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	

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ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-81783-1
Client Project/Site: Carroll Madonna

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

Attn: Peter Reichardt

Authorized for release by:
4/28/2022 9:28:40 PM

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

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.

Amek Carter
Project Manager
4/28/2022 9:28:40 PM

Table of Contents

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-81783-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-81783-1

Receipt
The samples were received on 4/27/2022 5:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°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 (410-81783-4). 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
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-EFF
Lab Sample ID: 410-81783-1

No Detections.

Client Sample ID: 3921 Greenpeak-MID
Lab Sample ID: 410-81783-2

No Detections.

Client Sample ID: 3921 Greenpeak-INF
Lab Sample ID: 410-81783-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.33	J	0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: 3922 Greenpeak-INF
Lab Sample ID: 410-81783-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.99	cn	0.50	0.10	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-EFF
Lab Sample ID: 410-81783-1
Date Collected: 04/26/22 09:10
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Benzene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
t-Butyl alcohol	ND		25	2.5	ug/L			04/28/22 17:25	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Chlorobenzene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Ethylbenzene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Methylene Chloride	ND		0.50	0.20	ug/L			04/28/22 17:25	1
Naphthalene	ND		0.50	0.20	ug/L			04/28/22 17:25	1
Styrene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Tetrachloroethene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Toluene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			04/28/22 17:25	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 17:25	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Trichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			04/28/22 17:25	1
Xylenes, Total	ND		0.50	0.10	ug/L			04/28/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*04/28/22 17:25*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*80 - 120*		*04/28/22 17:25*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-MID
Lab Sample ID: 410-81783-2
Date Collected: 04/26/22 09:15
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Benzene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
t-Butyl alcohol	ND		25	2.5	ug/L			04/28/22 17:03	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Chlorobenzene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Ethylbenzene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Methylene Chloride	ND		0.50	0.20	ug/L			04/28/22 17:03	1
Naphthalene	ND		0.50	0.20	ug/L			04/28/22 17:03	1
Styrene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Tetrachloroethene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Toluene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			04/28/22 17:03	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 17:03	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Trichloroethene	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Vinyl chloride	ND		0.50	0.10	ug/L			04/28/22 17:03	1
Xylenes, Total	ND		0.50	0.10	ug/L			04/28/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*04/28/22 17:03*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*80 - 120*		*04/28/22 17:03*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-INF
Lab Sample ID: 410-81783-3
Date Collected: 04/26/22 09:20
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Benzene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
t-Butyl alcohol	ND		25	2.5	ug/L			04/28/22 16:41	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Chlorobenzene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Ethylbenzene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Methyl tertiary butyl ether	**0.33**	**J**	0.50	0.10	ug/L			04/28/22 16:41	1
Methylene Chloride	ND		0.50	0.20	ug/L			04/28/22 16:41	1
Naphthalene	ND		0.50	0.20	ug/L			04/28/22 16:41	1
Styrene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Tetrachloroethene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Toluene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			04/28/22 16:41	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 16:41	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Trichloroethene	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			04/28/22 16:41	1
Xylenes, Total	ND		0.50	0.10	ug/L			04/28/22 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*04/28/22 16:41*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*04/28/22 16:41*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Client Sample ID: 3922 Greenpeak-INF
Lab Sample ID: 410-81783-4
Date Collected: 04/26/22 10:40
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Benzene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
t-Butyl alcohol	ND	cn	25	2.5	ug/L			04/28/22 16:19	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Chlorobenzene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,2-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,3-Dichlorobenzene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,2-Dichloroethane	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
cis-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Ethyl t-butyl ether	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Ethylbenzene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
di-Isopropyl ether	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Methyl tertiary butyl ether	**0.99**	**cn**	0.50	0.10	ug/L			04/28/22 16:19	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			04/28/22 16:19	1
Naphthalene	ND	cn	0.50	0.20	ug/L			04/28/22 16:19	1
Styrene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Tetrachloroethene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Toluene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,2,4-Trichlorobenzene	ND	cn	0.50	0.20	ug/L			04/28/22 16:19	1
1,1,1-Trichloroethane	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
1,1,2-Trichloroethane	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Trichloroethene	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1
Xylenes, Total	ND	cn	0.50	0.10	ug/L			04/28/22 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*	*cn*	*80 - 120*		*04/28/22 16:19*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*97*	*cn*	*80 - 120*		*04/28/22 16:19*	*1*

Surrogate Summary

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

Job ID: 410-81783-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB	DCZ										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
410-81783-1	3921 Greenpeak-EFF	89	97										
410-81783-2	3921 Greenpeak-MID	90	98										
410-81783-3	3921 Greenpeak-INF	88	95										
410-81783-4	3922 Greenpeak-INF	87 cn	97 cn										
LCS 410-249527/4	Lab Control Sample	101	105										
MB 410-249527/6	Method Blank	90	95										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

Lab Sample ID: MB 410-249527/6
Matrix: Water
Analysis Batch: 249527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Amyl methyl ether	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Benzene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
t-Butyl alcohol	ND		25	2.5	ug/L			04/28/22 14:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Chlorobenzene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,2-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Ethyl t-butyl ether	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Ethylbenzene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
di-Isopropyl ether	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Methyl tertiary butyl ether	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			04/28/22 14:27	1
Naphthalene	ND		0.50	0.20	ug/L			04/28/22 14:27	1
Styrene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Tetrachloroethene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Toluene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			04/28/22 14:27	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 14:27	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Trichloroethene	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			04/28/22 14:27	1
Xylenes, Total	ND		0.50	0.10	ug/L			04/28/22 14:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*04/28/22 14:27*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*04/28/22 14:27*	*1*

Lab Sample ID: LCS 410-249527/4
Matrix: Water
Analysis Batch: 249527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	4.36		ug/L		87	70 - 130
Benzene	5.00	4.80		ug/L		96	70 - 130
t-Butyl alcohol	50.0	45.0		ug/L		90	70 - 130
Carbon tetrachloride	5.00	4.85		ug/L		97	70 - 130
Chlorobenzene	5.00	4.95		ug/L		99	70 - 130
1,2-Dichlorobenzene	5.00	4.93		ug/L		99	70 - 130
1,3-Dichlorobenzene	5.00	4.96		ug/L		99	70 - 130
1,2-Dichloroethane	5.00	4.73		ug/L		95	70 - 130
1,1-Dichloroethene	5.00	4.91		ug/L		98	70 - 130
cis-1,2-Dichloroethene	5.00	4.80		ug/L		96	70 - 130
trans-1,2-Dichloroethene	5.00	4.72		ug/L		94	70 - 130

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

Lab Sample ID: LCS 410-249527/4
Matrix: Water
Analysis Batch: 249527

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dichloropropane			5.00	4.81		ug/L		96	70 - 130		
Ethyl t-butyl ether			5.00	4.58		ug/L		92	70 - 130		
Ethylbenzene			5.00	4.78		ug/L		96	70 - 130		
di-Isopropyl ether			5.00	4.67		ug/L		93	70 - 130		
Methyl tertiary butyl ether			5.00	4.61		ug/L		92	70 - 130		
Methylene Chloride			5.00	5.55		ug/L		111	70 - 130		
Naphthalene			5.00	4.20		ug/L		84	70 - 130		
Styrene			5.00	4.91		ug/L		98	70 - 130		
Tetrachloroethene			5.00	4.93		ug/L		99	70 - 130		
Toluene			5.00	4.75		ug/L		95	70 - 130		
1,2,4-Trichlorobenzene			5.00	4.56		ug/L		91	70 - 130		
1,1,1-Trichloroethane			5.00	4.72		ug/L		94	70 - 130		
1,1,2-Trichloroethane			5.00	4.88		ug/L		98	70 - 130		
Trichloroethene			5.00	4.64		ug/L		93	70 - 130		
Vinyl chloride			2.00	1.96		ug/L		98	70 - 130		
Xylenes, Total			15.0	14.4		ug/L		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
1,2-Dichlorobenzene-d4 (Surr)	*105*		*80 - 120*

QC Association Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

GC/MS VOA

Analysis Batch: 249527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-81783-1	3921 Greenpeak-EFF	Total/NA	Water	524.2	
410-81783-2	3921 Greenpeak-MID	Total/NA	Water	524.2	
410-81783-3	3921 Greenpeak-INF	Total/NA	Water	524.2	
410-81783-4	3922 Greenpeak-INF	Total/NA	Water	524.2	
MB 410-249527/6	Method Blank	Total/NA	Water	524.2	
LCS 410-249527/4	Lab Control Sample	Total/NA	Water	524.2	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Client Sample ID: 3921 Greenpeak-EFF
Lab Sample ID: 410-81783-1
Date Collected: 04/26/22 09:10
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	249527	04/28/22 17:25	USEJ	ELLE

Client Sample ID: 3921 Greenpeak-MID
Lab Sample ID: 410-81783-2
Date Collected: 04/26/22 09:15
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	249527	04/28/22 17:03	USEJ	ELLE

Client Sample ID: 3921 Greenpeak-INF
Lab Sample ID: 410-81783-3
Date Collected: 04/26/22 09:20
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	249527	04/28/22 16:41	USEJ	ELLE

Client Sample ID: 3922 Greenpeak-INF
Lab Sample ID: 410-81783-4
Date Collected: 04/26/22 10:40
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	249527	04/28/22 16:19	USEJ	ELLE

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
Job ID: 410-81783-1
Project/Site: Carroll Madonna

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	06-30-22

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: 410-81783-1

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
Job ID: 410-81783-1
Project/Site: Carroll Madonna

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-81783-1	3921 Greenpeak-EFF	Water	04/26/22 09:10	04/27/22 17:24
410-81783-2	3921 Greenpeak-MID	Water	04/26/22 09:15	04/27/22 17:24
410-81783-3	3921 Greenpeak-INF	Water	04/26/22 09:20	04/27/22 17:24
410-81783-4	3922 Greenpeak-INF	Water	04/26/22 10:40	04/27/22 17:24

410-81783 Chain of Custody

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eurofins

Lancaster Laboratories
Environmental

Environmental Analysis Request/Chain of Custody

Acct. # ______ Group # ______ Sample # ______

Client: Groundwater & Env. Services, Inc.

Project Name/#: Carroll Madonna | Site ID #:

Project Manager: Peter Reichardt | P.O. #: 0403344/06/209

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x 3726 | Quote #:

State where sample(s) collected: 4101 Norrisville Rd, Jarrettsville MD

Matrix: ☐ Sediment ☐ Soil; ☐ Ground ☑ Potable; ☐ Surface ☐ NPDES (Water); Other:

Analyses Requested / Preservation Codes: H — Target VOCs List plus oxygenates and Napthalene (524.2)

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Water	Other	Total # of Containers	Target VOCs List plus oxygenates and Napthalene (524.2)
3921 Greenpeak-EFF	4-26-22	0910	X			X		3	X
3921 Greenpeak-MID	↓	0915	↓			↓		↓	↓
3921 Greenpeak-INF	↓	0920	↓			↓		↓	↓
3922 Greenpeak-INF	4-26-22	1040	X			X		3	X

For Lab Use Only
SF #: ______
SCR #: ______

Preservation Codes
H = HCl   T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Remarks
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 ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: midatlatnic@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)
Type I (Validation/non-CLP) ☐   MA MCP ☐
Type III (Reduced non-CLP) ☐   CT RCP ☐
Type VI (Raw Data Only) ☐   TX TRRP-13 ☐
NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐   If yes, format: GES EQEDD
EQEDD Name: Carroll Madonna-lab report #.21933.EQEDD.zip

Relinquished by	Date	Time	Received by	Date	Time
Jeff Plummer	4-26-22	1520	Denise Wooding	4-26-22	1520
Denise Wooding	4-27-22	11:20	[signature]	4/27/22	11:20
[signature]	4/27/22	17:02			
			[signature]	4/27/22	17:24

Relinquished by Commercial Carrier:
UPS ______ FedEx ______ Other ______

Temperature upon receipt 1.0 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300   7045 0614

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-81783-1

Login Number: 81783

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.

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ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-81794-1
Client Project/Site: Carroll Madonna

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

Attn: Peter Reichardt

Authorized for release by:
5/6/2022 2:18:20 AM

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

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Amek Carter
Project Manager
5/6/2022 2:18:20 AM

Table of Contents

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Job ID: 410-81794-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-81794-1

Receipt
The samples were received on 4/27/2022 5:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC/MS VOA
Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-251841 recovered outside acceptance criteria, low biased, for Bromomethane, Chloroethane, Trichlorofluoromethane and Dichlorodifluoromethane. 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 (410-81794-1), MW-2 (410-81794-2), MW-3 (410-81794-3), MW-4 (410-81794-4), MW-4D (410-81794-5), MW-5 (410-81794-6), MW-5D (410-81794-7), MW-6 (410-81794-8) and MW-6D (410-81794-9). The requested target analyte list includes Acrylonitrile , acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-1 — Lab Sample ID: 410-81794-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.58		0.50	0.060	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	3.6		0.50	0.050	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 410-81794-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	2.3		0.50	0.050	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 410-81794-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	1.6		0.50	0.050	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 410-81794-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-4D — Lab Sample ID: 410-81794-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.54		0.50	0.050	ug/L	1		8260C LL	Total/NA
di-Isopropyl ether	0.059	J	0.50	0.050	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 410-81794-6

No Detections.

Client Sample ID: MW-5D — Lab Sample ID: 410-81794-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.45	J	0.50	0.050	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 410-81794-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.19	J	0.50	0.060	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	0.39	J	0.50	0.050	ug/L	1		8260C LL	Total/NA
Methylene Chloride	0.072	J	0.50	0.070	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-6D — Lab Sample ID: 410-81794-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.76		0.50	0.050	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-1
Lab Sample ID: 410-81794-1
Date Collected: 04/26/22 10:15
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 11:00	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 11:00	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 11:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 11:00	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 11:00	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 11:00	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 11:00	1
Tetrachloroethene	**0.58**		0.50	0.060	ug/L			05/05/22 11:00	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Methyl tertiary butyl ether	**3.6**		0.50	0.050	ug/L			05/05/22 11:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 11:00	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 11:00	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 11:00	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 11:00	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 11:00	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 11:00	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 11:00	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 11:00	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 11:00	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 11:00	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 11:00	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 11:00	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 11:00	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 11:00	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 11:00	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 11:00	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 11:00	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 11:00	1

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-1
Lab Sample ID: 410-81794-1
Date Collected: 04/26/22 10:15
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 11:00	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 11:00	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 11:00	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 11:00	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 11:00	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 11:00	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:00	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 11:00	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 11:00	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 11:00	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/05/22 11:00*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/05/22 11:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/05/22 11:00*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/05/22 11:00*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*105*		*63 - 135*		*04/28/22 16:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*97*		*37 - 153*	*04/30/22 05:30*	*05/02/22 12:43*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-2
Lab Sample ID: 410-81794-2
Date Collected: 04/26/22 10:25
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 11:21	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 11:21	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 11:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 11:21	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 11:21	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 11:21	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 11:21	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Methyl tertiary butyl ether	**2.3**		0.50	0.050	ug/L			05/05/22 11:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 11:21	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 11:21	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 11:21	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 11:21	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 11:21	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 11:21	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 11:21	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 11:21	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 11:21	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 11:21	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 11:21	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 11:21	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 11:21	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 11:21	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 11:21	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 11:21	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 11:21	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 11:21	1

Client Sample ID: MW-2
Lab Sample ID: 410-81794-2
Date Collected: 04/26/22 10:25
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 11:21	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 11:21	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 11:21	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 11:21	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 11:21	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 11:21	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:21	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 11:21	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 11:21	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 11:21	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/05/22 11:21*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/05/22 11:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/05/22 11:21*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/05/22 11:21*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*96*		*63 - 135*		*04/28/22 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*93*		*37 - 153*	*04/30/22 05:30*	*05/02/22 13:07*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-3
Lab Sample ID: 410-81794-3
Date Collected: 04/26/22 09:50
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 11:42	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 11:42	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 11:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 11:42	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 11:42	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 11:42	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 11:42	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Methyl tertiary butyl ether	**1.6**		0.50	0.050	ug/L			05/05/22 11:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 11:42	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 11:42	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 11:42	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 11:42	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 11:42	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 11:42	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 11:42	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 11:42	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 11:42	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 11:42	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 11:42	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 11:42	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 11:42	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 11:42	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 11:42	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 11:42	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 11:42	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 11:42	1

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-3
Lab Sample ID: 410-81794-3
Date Collected: 04/26/22 09:50
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 11:42	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 11:42	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 11:42	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 11:42	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 11:42	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 11:42	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 11:42	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 11:42	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 11:42	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 11:42	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/05/22 11:42*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/05/22 11:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/05/22 11:42*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/05/22 11:42*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*99*		*63 - 135*		*04/28/22 17:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	58	ug/L		04/30/22 05:30	05/02/22 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*93*		*37 - 153*	*04/30/22 05:30*	*05/02/22 13:31*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-4
Lab Sample ID: 410-81794-4
Date Collected: 04/26/22 11:30
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 12:04	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 12:04	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 12:04	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 12:04	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 12:04	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 12:04	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Methyl tertiary butyl ether	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 12:04	1
Chloroform	**0.13**	**J**	0.50	0.090	ug/L			05/05/22 12:04	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 12:04	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 12:04	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 12:04	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 12:04	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 12:04	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 12:04	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 12:04	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 12:04	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 12:04	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 12:04	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 12:04	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 12:04	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 12:04	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 12:04	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 12:04	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 12:04	1

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-4
Lab Sample ID: 410-81794-4
Date Collected: 04/26/22 11:30
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 12:04	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 12:04	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 12:04	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 12:04	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 12:04	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 12:04	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:04	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 12:04	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 12:04	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 12:04	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/05/22 12:04*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/05/22 12:04*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/05/22 12:04*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/05/22 12:04*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*99*		*63 - 135*		*04/28/22 17:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*98*		*37 - 153*	*04/30/22 05:30*	*05/02/22 13:55*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-4D
Lab Sample ID: 410-81794-5
Date Collected: 04/26/22 11:45
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 12:25	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 12:25	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 12:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 12:25	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 12:25	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 12:25	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 12:25	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Methyl tertiary butyl ether	**0.54**		0.50	0.050	ug/L			05/05/22 12:25	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 12:25	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 12:25	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 12:25	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 12:25	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 12:25	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 12:25	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 12:25	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 12:25	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 12:25	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 12:25	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 12:25	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 12:25	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 12:25	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 12:25	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 12:25	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 12:25	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 12:25	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 12:25	1

Client Sample ID: MW-4D
Lab Sample ID: 410-81794-5
Date Collected: 04/26/22 11:45
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 12:25	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 12:25	1
di-Isopropyl ether	**0.059**	**J**	0.50	0.050	ug/L			05/05/22 12:25	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 12:25	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 12:25	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 12:25	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:25	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 12:25	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 12:25	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 12:25	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/05/22 12:25*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/05/22 12:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/05/22 12:25*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/05/22 12:25*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*102*		*63 - 135*		*04/28/22 17:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*101*		*37 - 153*	*04/30/22 05:30*	*05/02/22 14:19*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-5
Lab Sample ID: 410-81794-6
Date Collected: 04/26/22 12:30
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 12:46	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 12:46	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 12:46	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 12:46	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 12:46	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 12:46	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Methyl tertiary butyl ether	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 12:46	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 12:46	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 12:46	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 12:46	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 12:46	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 12:46	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 12:46	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 12:46	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 12:46	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 12:46	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 12:46	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 12:46	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 12:46	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 12:46	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 12:46	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 12:46	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 12:46	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 12:46	1

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-5
Lab Sample ID: 410-81794-6
Date Collected: 04/26/22 12:30
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 12:46	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 12:46	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 12:46	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 12:46	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 12:46	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 12:46	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 12:46	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 12:46	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 12:46	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 12:46	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/05/22 12:46*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/05/22 12:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/05/22 12:46*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/05/22 12:46*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*94*		*63 - 135*		*04/28/22 18:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	58	ug/L		04/30/22 05:30	05/02/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*95*		*37 - 153*	*04/30/22 05:30*	*05/02/22 14:43*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-5D
Lab Sample ID: 410-81794-7
Date Collected: 04/26/22 12:45
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 13:07	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 13:07	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 13:07	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 13:07	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 13:07	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 13:07	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 13:07	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Methyl tertiary butyl ether	**0.45**	**J**	0.50	0.050	ug/L			05/05/22 13:07	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 13:07	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 13:07	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 13:07	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 13:07	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 13:07	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 13:07	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 13:07	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 13:07	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 13:07	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 13:07	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 13:07	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 13:07	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 13:07	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 13:07	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 13:07	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 13:07	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 13:07	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 13:07	1

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-5D
Lab Sample ID: 410-81794-7
Date Collected: 04/26/22 12:45
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 13:07	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 13:07	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 13:07	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 13:07	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 13:07	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 13:07	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:07	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 13:07	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 13:07	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 13:07	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/05/22 13:07*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/05/22 13:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/05/22 13:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/05/22 13:07*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*98*		*63 - 135*		*04/28/22 18:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*103*		*37 - 153*	*04/30/22 05:30*	*05/02/22 15:07*	*1*

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

Job ID: 410-81794-1

Client Sample ID: MW-6
Date Collected: 04/26/22 13:30
Date Received: 04/27/22 17:24

Lab Sample ID: 410-81794-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 13:28	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 13:28	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 13:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 13:28	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 13:28	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 13:28	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 13:28	1
Tetrachloroethene	**0.19**	**J**	0.50	0.060	ug/L			05/05/22 13:28	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Methyl tertiary butyl ether	**0.39**	**J**	0.50	0.050	ug/L			05/05/22 13:28	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 13:28	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 13:28	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 13:28	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 13:28	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 13:28	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 13:28	1
Methylene Chloride	**0.072**	**J**	0.50	0.070	ug/L			05/05/22 13:28	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 13:28	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 13:28	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 13:28	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 13:28	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 13:28	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 13:28	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 13:28	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 13:28	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 13:28	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 13:28	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 13:28	1

Client Sample ID: MW-6
Lab Sample ID: 410-81794-8
Date Collected: 04/26/22 13:30
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 13:28	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 13:28	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 13:28	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 13:28	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 13:28	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 13:28	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:28	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 13:28	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 13:28	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 13:28	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/05/22 13:28*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/05/22 13:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/05/22 13:28*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/05/22 13:28*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*103*		*63 - 135*		*04/28/22 19:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*99*		*37 - 153*	*04/30/22 05:30*	*05/02/22 15:31*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-6D
Lab Sample ID: 410-81794-9
Date Collected: 04/26/22 13:45
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 13:49	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 13:49	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 13:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 13:49	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 13:49	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 13:49	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 13:49	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Methyl tertiary butyl ether	**0.76**		0.50	0.050	ug/L			05/05/22 13:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 13:49	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 13:49	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Bromomethane	ND	cn	0.50	0.070	ug/L			05/05/22 13:49	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Chloroethane	ND	cn	0.50	0.070	ug/L			05/05/22 13:49	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 13:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 13:49	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 13:49	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 13:49	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 13:49	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 13:49	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 13:49	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 13:49	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Trichlorofluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 13:49	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 13:49	1
Dichlorodifluoromethane	ND	cn	0.50	0.050	ug/L			05/05/22 13:49	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Acrylonitrile	ND	cn	5.0	0.40	ug/L			05/05/22 13:49	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 13:49	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 13:49	1

Client Sample ID: MW-6D
Lab Sample ID: 410-81794-9
Date Collected: 04/26/22 13:45
Matrix: Water
Date Received: 04/27/22 17:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 13:49	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 13:49	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 13:49	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 13:49	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 13:49	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 13:49	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 13:49	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 13:49	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 13:49	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 13:49	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*05/05/22 13:49*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/05/22 13:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/05/22 13:49*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/05/22 13:49*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*96*		*63 - 135*		*04/28/22 19:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		04/30/22 05:30	05/02/22 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*98*		*37 - 153*	*04/30/22 05:30*	*05/02/22 15:55*	*1*

Surrogate Summary

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

Job ID: 410-81794-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-81794-1	MW-1	105	93	97	105
410-81794-2	MW-2	105	93	97	104
410-81794-3	MW-3	108	93	99	105
410-81794-4	MW-4	106	94	98	106
410-81794-5	MW-4D	107	93	100	107
410-81794-6	MW-5	108	94	98	105
410-81794-7	MW-5D	108	95	96	104
410-81794-8	MW-6	107	94	97	105
410-81794-9	MW-6D	110	94	98	107
LCS 410-251841/4	Lab Control Sample	105	91	101	106
MB 410-251841/6	Method Blank	107	93	97	105

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-81794-1	MW-1	105
410-81794-2	MW-2	96
410-81794-3	MW-3	99
410-81794-4	MW-4	99
410-81794-5	MW-4D	102
410-81794-6	MW-5	94
410-81794-7	MW-5D	98
410-81794-8	MW-6	103
410-81794-9	MW-6D	96
LCS 410-249509/5	Lab Control Sample	88
LCSD 410-249509/6	Lab Control Sample Dup	96
MB 410-249509/4	Method Blank	97

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTP
Lab Sample ID	Client Sample ID	(37-153)
410-81794-1	MW-1	97
410-81794-2	MW-2	93
410-81794-3	MW-3	93
410-81794-4	MW-4	98
410-81794-5	MW-4D	101

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

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)								
410-81794-6	MW-5	95								
410-81794-7	MW-5D	103								
410-81794-8	MW-6	99								
410-81794-9	MW-6D	98								
LCS 410-250192/2-A	Lab Control Sample	99								
LCSD 410-250192/3-A	Lab Control Sample Dup	101								
MB 410-250192/1-A	Method Blank	98								

Surrogate Legend

OTP = o- terphenyl (Surr)

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

Lab Sample ID: MB 410-251841/6
Matrix: Water
Analysis Batch: 251841

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
cis-1,3-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
trans-1,3-Dichloropropene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Ethylbenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Styrene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/05/22 10:17	1
1,2-Dibromoethane	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,1-Dichloropropene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,2-Dichloroethane	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			05/05/22 10:17	1
Toluene	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Chlorobenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Dibromochloromethane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Xylenes, Total	ND		1.0	0.15	ug/L			05/05/22 10:17	1
Tetrachloroethene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
cis-1,2-Dichloroethene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
trans-1,2-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Methyl tertiary butyl ether	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,3-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,3-Dichloropropane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Chloroform	ND		0.50	0.090	ug/L			05/05/22 10:17	1
Benzene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,1,1-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Bromomethane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Chloromethane	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Chloroethane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
2,2-Dichloropropane	ND		0.50	0.050	ug/L			05/05/22 10:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/05/22 10:17	1
Methylene Chloride	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Carbon disulfide	ND		1.0	0.060	ug/L			05/05/22 10:17	1
Bromoform	ND		1.0	0.30	ug/L			05/05/22 10:17	1
Bromodichloromethane	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,1-Dichloroethane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
2-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 10:17	1
1,1-Dichloroethene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Trichlorofluoromethane	ND		0.50	0.050	ug/L			05/05/22 10:17	1
4-Chlorotoluene	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Dichlorodifluoromethane	ND		0.50	0.050	ug/L			05/05/22 10:17	1
1,2-Dichloropropane	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,1,2-Trichloroethane	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Acrylonitrile	ND		5.0	0.40	ug/L			05/05/22 10:17	1
Trichloroethene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/05/22 10:17	1
1,2-Dichlorobenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1

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

Lab Sample ID: MB 410-251841/6
Matrix: Water
Analysis Batch: 251841

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/05/22 10:17	1
Bromobenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
Bromochloromethane	ND		0.50	0.050	ug/L			05/05/22 10:17	1
Isopropylbenzene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
Dibromomethane	ND		0.50	0.060	ug/L			05/05/22 10:17	1
di-Isopropyl ether	ND		0.50	0.050	ug/L			05/05/22 10:17	1
Ethyl t-butyl ether	ND		0.50	0.050	ug/L			05/05/22 10:17	1
Hexachlorobutadiene	ND		0.50	0.070	ug/L			05/05/22 10:17	1
Naphthalene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
n-Butylbenzene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
N-Propylbenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
p-Isopropyltoluene	ND		0.50	0.050	ug/L			05/05/22 10:17	1
sec-Butylbenzene	ND		0.50	0.060	ug/L			05/05/22 10:17	1
t-Amyl methyl ether	ND		0.50	0.20	ug/L			05/05/22 10:17	1
t-Butyl alcohol	ND		10	1.1	ug/L			05/05/22 10:17	1
tert-Butylbenzene	ND		0.50	0.070	ug/L			05/05/22 10:17	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.0	ug/L			05/05/22 10:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/05/22 10:17*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/05/22 10:17*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/05/22 10:17*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/05/22 10:17*	*1*

Lab Sample ID: LCS 410-251841/4
Matrix: Water
Analysis Batch: 251841

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.81		ug/L		96	71 - 134
cis-1,3-Dichloropropene	5.00	5.03		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	5.85		ug/L		117	61 - 129
Ethylbenzene	5.00	5.30		ug/L		106	80 - 120
Styrene	5.00	5.13		ug/L		103	80 - 120
1,4-Dichlorobenzene	5.00	4.90		ug/L		98	80 - 120
1,2-Dibromoethane	5.00	5.23		ug/L		105	80 - 120
1,1-Dichloropropene	5.00	5.05		ug/L		101	74 - 120
1,2-Dichloroethane	5.00	4.80		ug/L		96	69 - 122
1,2,3-Trichlorobenzene	5.00	4.88		ug/L		98	68 - 125
1,2,3-Trichloropropane	5.00	5.45		ug/L		109	80 - 125
Toluene	5.00	5.38		ug/L		108	80 - 120
Chlorobenzene	5.00	4.97		ug/L		99	80 - 120
1,2,4-Trimethylbenzene	5.00	5.42		ug/L		108	80 - 120
1,2,4-Trichlorobenzene	5.00	4.87		ug/L		97	68 - 122
Dibromochloromethane	5.00	5.02		ug/L		100	64 - 138
Xylenes, Total	15.0	14.9		ug/L		99	80 - 120
Tetrachloroethene	5.00	4.52		ug/L		90	80 - 120
cis-1,2-Dichloroethene	5.00	4.76		ug/L		95	80 - 122

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

Lab Sample ID: LCS 410-251841/4
Matrix: Water
Analysis Batch: 251841

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	5.00	4.65		ug/L		93	80 - 122
Methyl tertiary butyl ether	5.00	5.09		ug/L		102	69 - 120
1,3,5-Trimethylbenzene	5.00	5.46		ug/L		109	80 - 120
1,3-Dichlorobenzene	5.00	4.98		ug/L		100	80 - 120
1,3-Dichloropropane	5.00	5.64		ug/L		113	80 - 120
Chloroform	5.00	4.74		ug/L		95	80 - 120
Benzene	5.00	5.16		ug/L		103	80 - 120
1,1,1-Trichloroethane	5.00	4.62		ug/L		92	78 - 126
Bromomethane	5.00	3.47		ug/L		69	60 - 136
Chloromethane	5.00	4.55		ug/L		91	56 - 124
Chloroethane	5.00	4.09		ug/L		82	63 - 120
2,2-Dichloropropane	5.00	4.96		ug/L		99	61 - 141
Vinyl chloride	5.00	4.19		ug/L		84	60 - 125
Methylene Chloride	5.00	5.08		ug/L		102	80 - 120
Carbon disulfide	5.00	6.14		ug/L		123	67 - 130
Bromoform	5.00	4.96		ug/L		99	49 - 144
Bromodichloromethane	5.00	5.12		ug/L		102	73 - 124
1,1-Dichloroethane	5.00	5.06		ug/L		101	74 - 120
2-Chlorotoluene	5.00	5.12		ug/L		102	80 - 120
1,1-Dichloroethene	5.00	5.01		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	3.85		ug/L		77	62 - 136
4-Chlorotoluene	5.00	5.03		ug/L		101	80 - 120
Dichlorodifluoromethane	5.00	4.02		ug/L		80	43 - 123
1,2-Dichloropropane	5.00	5.39		ug/L		108	80 - 120
1,1,2-Trichloroethane	5.00	5.39		ug/L		108	80 - 120
Acrylonitrile	25.0	30.4		ug/L		122	64 - 139
Trichloroethene	5.00	4.66		ug/L		93	80 - 120
1,1,2,2-Tetrachloroethane	5.00	5.89		ug/L		118	75 - 123
1,2-Dichlorobenzene	5.00	5.03		ug/L		101	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.02		ug/L		100	56 - 148
Bromobenzene	5.00	5.11		ug/L		102	80 - 120
Bromochloromethane	5.00	4.50		ug/L		90	80 - 120
Isopropylbenzene	5.00	5.14		ug/L		103	80 - 120
Dibromomethane	5.00	4.61		ug/L		92	80 - 122
di-Isopropyl ether	5.00	5.68		ug/L		114	58 - 131
Ethyl t-butyl ether	5.00	5.25		ug/L		105	57 - 126
Hexachlorobutadiene	5.00	4.56		ug/L		91	72 - 132
Naphthalene	5.00	5.29		ug/L		106	64 - 122
n-Butylbenzene	5.00	5.56		ug/L		111	74 - 123
N-Propylbenzene	5.00	5.74		ug/L		115	74 - 122
p-Isopropyltoluene	5.00	5.30		ug/L		106	80 - 120
sec-Butylbenzene	5.00	5.52		ug/L		110	80 - 120
t-Amyl methyl ether	5.00	5.01		ug/L		100	65 - 125
t-Butyl alcohol	50.0	50.6		ug/L		101	62 - 138
tert-Butylbenzene	5.00	4.82		ug/L		96	79 - 120
trans-1,4-Dichloro-2-butene	25.0	23.1		ug/L		92	10 - 172

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

Lab Sample ID: LCS 410-251841/4
Matrix: Water
Analysis Batch: 251841

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-249509/4
Matrix: Water
Analysis Batch: 249509

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		0.050	0.023	mg/L			04/28/22 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	97		63 - 135		04/28/22 13:32	1

Lab Sample ID: LCS 410-249509/5
Matrix: Water
Analysis Batch: 249509

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (1C)			1.10	1.11		mg/L		101	70 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	88		63 - 135

Lab Sample ID: LCSD 410-249509/6
Matrix: Water
Analysis Batch: 249509

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)			1.10	1.11		mg/L		101	70 - 123	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	96		63 - 135

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

Lab Sample ID: MB 410-250192/1-A
Matrix: Water
Analysis Batch: 250512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	57	ug/L		04/30/22 05:30	05/02/22 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	98		37 - 153	04/30/22 05:30	05/02/22 11:31	1

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

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

Lab Sample ID: LCS 410-250192/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 250512
Prep Batch: 250192

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)			2650	2290		ug/L		86	70 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr)	*99*		*37 - 153*

Lab Sample ID: LCSD 410-250192/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 250512
Prep Batch: 250192

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)			2660	2470		ug/L		93	70 - 140	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr)	*101*		*37 - 153*

GC/MS VOA

Analysis Batch: 251841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-81794-1	MW-1	Total/NA	Water	8260C LL	
410-81794-2	MW-2	Total/NA	Water	8260C LL	
410-81794-3	MW-3	Total/NA	Water	8260C LL	
410-81794-4	MW-4	Total/NA	Water	8260C LL	
410-81794-5	MW-4D	Total/NA	Water	8260C LL	
410-81794-6	MW-5	Total/NA	Water	8260C LL	
410-81794-7	MW-5D	Total/NA	Water	8260C LL	
410-81794-8	MW-6	Total/NA	Water	8260C LL	
410-81794-9	MW-6D	Total/NA	Water	8260C LL	
MB 410-251841/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-251841/4	Lab Control Sample	Total/NA	Water	8260C LL	

GC VOA

Analysis Batch: 249509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-81794-1	MW-1	Total/NA	Water	8015D	
410-81794-2	MW-2	Total/NA	Water	8015D	
410-81794-3	MW-3	Total/NA	Water	8015D	
410-81794-4	MW-4	Total/NA	Water	8015D	
410-81794-5	MW-4D	Total/NA	Water	8015D	
410-81794-6	MW-5	Total/NA	Water	8015D	
410-81794-7	MW-5D	Total/NA	Water	8015D	
410-81794-8	MW-6	Total/NA	Water	8015D	
410-81794-9	MW-6D	Total/NA	Water	8015D	
MB 410-249509/4	Method Blank	Total/NA	Water	8015D	
LCS 410-249509/5	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-249509/6	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 250192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-81794-1	MW-1	Total/NA	Water	3511	
410-81794-2	MW-2	Total/NA	Water	3511	
410-81794-3	MW-3	Total/NA	Water	3511	
410-81794-4	MW-4	Total/NA	Water	3511	
410-81794-5	MW-4D	Total/NA	Water	3511	
410-81794-6	MW-5	Total/NA	Water	3511	
410-81794-7	MW-5D	Total/NA	Water	3511	
410-81794-8	MW-6	Total/NA	Water	3511	
410-81794-9	MW-6D	Total/NA	Water	3511	
MB 410-250192/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-250192/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-250192/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 250512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-81794-1	MW-1	Total/NA	Water	8015D	250192
410-81794-2	MW-2	Total/NA	Water	8015D	250192
410-81794-3	MW-3	Total/NA	Water	8015D	250192
410-81794-4	MW-4	Total/NA	Water	8015D	250192

GC Semi VOA (Continued)

Analysis Batch: 250512 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-81794-5	MW-4D	Total/NA	Water	8015D	250192
410-81794-6	MW-5	Total/NA	Water	8015D	250192
410-81794-7	MW-5D	Total/NA	Water	8015D	250192
410-81794-8	MW-6	Total/NA	Water	8015D	250192
410-81794-9	MW-6D	Total/NA	Water	8015D	250192
MB 410-250192/1-A	Method Blank	Total/NA	Water	8015D	250192
LCS 410-250192/2-A	Lab Control Sample	Total/NA	Water	8015D	250192
LCSD 410-250192/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	250192

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Client Sample ID: MW-1
Lab Sample ID: 410-81794-1
Date Collected: 04/26/22 10:15
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 11:00	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 16:15	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 12:43	UHEW	ELLE

Client Sample ID: MW-2
Lab Sample ID: 410-81794-2
Date Collected: 04/26/22 10:25
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 11:21	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 16:39	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 13:07	UHEW	ELLE

Client Sample ID: MW-3
Lab Sample ID: 410-81794-3
Date Collected: 04/26/22 09:50
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 11:42	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 17:03	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 13:31	UHEW	ELLE

Client Sample ID: MW-4
Lab Sample ID: 410-81794-4
Date Collected: 04/26/22 11:30
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 12:04	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 17:26	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 13:55	UHEW	ELLE

Client Sample ID: MW-4D
Lab Sample ID: 410-81794-5
Date Collected: 04/26/22 11:45
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 12:25	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 17:49	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 14:19	UHEW	ELLE

Lab Chronicle

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

Job ID: 410-81794-1

Client Sample ID: MW-5

Lab Sample ID: 410-81794-6

Date Collected: 04/26/22 12:30
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 12:46	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 18:13	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 14:43	UHEW	ELLE

Client Sample ID: MW-5D

Lab Sample ID: 410-81794-7

Date Collected: 04/26/22 12:45
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 13:07	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 18:37	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 15:07	UHEW	ELLE

Client Sample ID: MW-6

Lab Sample ID: 410-81794-8

Date Collected: 04/26/22 13:30
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 13:28	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 19:00	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 15:31	UHEW	ELLE

Client Sample ID: MW-6D

Lab Sample ID: 410-81794-9

Date Collected: 04/26/22 13:45
Matrix: Water
Date Received: 04/27/22 17:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	251841	05/05/22 13:49	DVW2	ELLE
Total/NA	Analysis	8015D		1	249509	04/28/22 19:23	JJT8	ELLE
Total/NA	Prep	3511			250192	04/30/22 05:30	UMAD	ELLE
Total/NA	Analysis	8015D		1	250512	05/02/22 15:55	UHEW	ELLE

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
Job ID: 410-81794-1
Project/Site: Carroll Madonna

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	06-30-22

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

Client: Groundwater & Environmental Services Inc
Job ID: 410-81794-1
Project/Site: Carroll Madonna

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
Job ID: 410-81794-1
Project/Site: Carroll Madonna

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
Job ID: 410-81794-1
Project/Site: Carroll Madonna

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-81794-1	MW-1	Water	04/26/22 10:15	04/27/22 17:24
410-81794-2	MW-2	Water	04/26/22 10:25	04/27/22 17:24
410-81794-3	MW-3	Water	04/26/22 09:50	04/27/22 17:24
410-81794-4	MW-4	Water	04/26/22 11:30	04/27/22 17:24
410-81794-5	MW-4D	Water	04/26/22 11:45	04/27/22 17:24
410-81794-6	MW-5	Water	04/26/22 12:30	04/27/22 17:24
410-81794-7	MW-5D	Water	04/26/22 12:45	04/27/22 17:24
410-81794-8	MW-6	Water	04/26/22 13:30	04/27/22 17:24
410-81794-9	MW-6D	Water	04/26/22 13:45	04/27/22 17:24

410-81794 Chain of Custody

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater & Env. Services, Inc.

Project Name/#: Carroll Madonna | Site ID #:

Project Manager: Peter Reichardt | P.O. #: 0403344/06/206

Sampler: Jeff Plummer | PWSID #:

Phone #: 800-220-3606 x 3726 | Quote #:

State where sample(s) were collected: 4101 Norrisville Rd, Jarrettsville MD

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Water: Potable	Ground	NPDES	Surface	Other:	Total # of Containers	Full Suite VOCs plus oxygenates and Napthalene (8260) H	TPH-GRO (8015B) H	TPH-DRO (8015B) H
MW-1	4-26-22	1015	X				X					7	X	X	X
MW-2		1025													
MW-3		0950													
MW-4		1130													
MW-4D		1145													
MW-5		1230													
MW-5D		1245													
MW-6		1330													
MW-6D	4-26-22	1345	X				X					7	X	X	X

For Lab Use Only

SF #: _____

SCR #: _____

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Remarks:

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 ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: midatlatnic@gesonline.com & ges@equisonline.com

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: GES EQEDD

EQEDD Name: Carroll Madonna-lab report #.21933.EQEDD.zip

Relinquished by:	Date	Time	Received by:	Date	Time
Jeff Plummer	4-26-22	1520	Denise Woodring	1520	4-26-22
Denise Woodring	4-27-22	11:20	Jeff	4/27/22	11:20
Jeff	4/27/22	17:02			
			Jeff	4/27/22	17:04

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt 1.0 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 0614

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-81794-1

Login Number: 81794

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.

APPENDIX C

Vertical Groundwater Gradient Calculations

Vertical Gradient Calculations
First Semi-annual Period -2022

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	20.64
Deep Well	91.20	83	10	20.14

Results

	Magnitude	Flow Direction	
Low to high value (L:H)	0.001925	up	
High to high value (H:H)	0.002232	up	
Mid-point value (M:M)	0.002257	up	Concise version
Low to low value (L:L)	0.002282	up	
Low to high value (H:L)	0.002726	up	

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)

Piezoemeters	0.001962	up

For MW-4 and MW-4D, a vertical gradient magnitude (well screen mid-point to mid-point calculation) of 0.002257, in an upward flow direction, was calculated using the Environmental Protection Agency's (EPA) on-line vertical gradient calculator.

Vertical Gradient Calculations
First Semi-annual Period -2022

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	15.44
Deep Well	85.95	75	10	15.74

Results

	Magnitude	Flow Direction	
Low to high value (L:H)	0.0005772	down	
High to high value (H:H)	0.0006745	down	
Mid-point value (M:M)	0.0007015	down	Concise version
Low to low value (L:L)	0.0007307	down	
Low to high value (H:L)	0.0008941	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)

Piezoemeters	0.0006376	down

For MW-5 and MW-5D, a vertical gradient magnitude (well screen mid-point to mid-point calculation) of 0.0007015, in an downward flow direction, was calculated using the EPA on-line vertical gradient calculator.

Vertical Gradient Calculations
First Semi-annual Period -2022

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	14.40
Deep Well	85.40	65	10	14.97

Results

	Magnitude	Flow Direction	
Low to high value (L:H)	0.002658	down	
High to high value (H:H)	0.003188	down	
Mid-point value (M:M)	0.003376	down	Concise version
Low to low value (L:L)	0.003588	down	
Low to high value (H:L)	0.004626	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)

Piezoemeters	0.003042	down

For MW-6 and MW-6D, a vertical gradient magnitude (well screen mid-point to mid-point calculation) of 0.003376, in an downward 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