THIRD QUARTER 2023 GROUNDWATER MONITORING REPORT

Southside Facility #26463
8816 Fingerboard Road
Frederick, MD 21704
MDE Case No. 2019-0473-FR

Prepared For:

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October 17, 2023

GROUNDWATER MONITORING REPORT

Site Name: Southside Facility #26463

Site Address: 8816 Fingerboard Road
Frederick, MD 21704
(***Figure 1***)

Client Information: Sunoco, LP/Evergreen Resources Group, LLC
2 Righter Parkway, Suite 120
Wilmington, DE 19803

Client Contact: Susan Shirer

Regulatory Contacts: Mr. Nick Psenicnik – Maryland Department of the Environment

Field Activities: Groundwater Gauging and Sampling

Monitoring Period: July 1, 2023 – September 30, 2023

Gauging Activities: Monitoring wells MW-2, MW-5, MW-9, MW-14, and tank field wells TF-1R, TF-2R, and TF-3R were gauged on September 6, 2023. Wells were gauged using an electronic interface probe capable of measuring Light Non-Aqueous Phase Liquids (LNAPL) to 0.01 foot. LNAPL was not detected in the monitoring well network on June 1, 2023. Depth to water measurements ranged from approximately 28.60 feet (MW-5) to 34.90 feet (MW-9) below the top of the well casing. Prior to gauging the wells, the headspace of the well was screened using a photoionization detector (PID) immediately after removing the well cap. PID readings are presented below.

Well ID	PID Reading (ppm)
MW-2	245.8
MW-5	0.9
MW-9	122.6
MW-14	108.5
TF-1R	0.0
TF-2R	0.0
TF-3R	0.0

Historic water gauging data are summarized in ***Table 1***. Gauging locations are depicted on ***Figure 2*** and a potentiometric surface map based on the September 6, 2023 gauging data is provided as ***Figure 3***. Groundwater flow direction was determined to be towards the northeast at a gradient of approximately 3.5%.

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Groundwater Sampling:

On September 6, 2023, monitoring wells MW-2, MW-5, MW-9, and MW-14 were purged of approximately three well volumes of groundwater using an electric purge pump and then sampled using dedicated polyethylene tubing. Groundwater samples were then transferred into laboratory supplied containers, and immediately placed on ice.

To minimize the potential for cross contamination during sample collection, all reusable equipment was decontaminated prior to use. Decontamination procedures consisted of using distilled water and Liquinox soap solution wash, a distilled water rinse, a final distilled water rinse, and air drying.

Monitoring well samples were shipped under standard chain of custody procedures to Pace Analytical Services, National Center for Testing and Analysis (Pace) in Mount Juliet, Tennessee for analysis of volatile organic compounds (VOCs) fuel oxygenates and naphthalene in accordance with EPA Method 8260, and total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) in accordance with EPA Method 8015.

On September 6, 2023, EnviroTrac also collected a potable water sample from the onsite drinking water supply well designated as PW-1. The sample was transferred into laboratory supplied containers, and immediately placed on ice. The potable water sample was shipped to Pace for analysis of VOCs fuel oxygenates in accordance with EPA Method 524.2 and VOCs fuel oxygenates and naphthalene in accordance with EPA Method 8260.

Groundwater Analytical Summary:

The results of the September 9, 2023, groundwater sampling event indicated a general decrease in contaminant concentrations when compared to historical 2020, 2021, and 2022 data. The following is a summary of the laboratory analytical results that exceed the MDE's Generic Numeric Cleanup Standards (GNCS) for Type I & II Aquifers:

- MW-2 - MTBE at 26.0 µg/L;
- MW-9 - TPH DRO at 0.179 mg/L; and,
- MW-14 - MTBE at 35.40 µg/L.

Graphical analysis of select COC concentrations are presented in ***Appendix A***. A copy of the laboratory analytical report is included in ***Appendix B***; historic groundwater analytical data and potable well sampling data are summarized in ***Tables 1 & 2,*** respectively; a geographic distribution of the groundwater analytical data is provided as ***Figure 4***.

Conclusions:

Concentrations of COCs in the groundwater samples collected during the 3rd Quarter 2023 remained relatively consistent in comparison to 2023 second quarter sampling data. Samples

collected from monitoring wells directly downgradient of the tank field (MW-2 and MW-14) exhibited the highest dissolved petroleum impact, while concentrations of COCs in the up- to cross-gradient wells (MW-5 and MW-9) were mostly BDL. The analytical results of the sample collected from the onsite potable well (PW-1) remained consistent with 2020, 2021, 2022, and 2023 historic results (***Table 2)***.

Data from wells MW-2 and MW-14 were evaluated using GSI Mann-Kendall Analysis to evaluate contaminant trends. These trends, including the data from the 3rd Quarter of 2023, are available in ***Appendix A.*** Trend analysis indicates the following:

- Concentrations of Benzene are decreasing in MW-2 and MW-14;
- Concentrations of MTBE are decreasing in MW-2 and MW-14;
- Concentrations of TBA are decreasing in MW-2 and MW-14;
- Concentrations of TAME are decreasing in MW-2 and MW-14;
- Concentrations of DIPE are decreasing in MW-2 and MW-14.;
- Concentrations of TPH GRO are decreasing in MW-2 and MW-14; and
- Concentrations of TPH DRO are decreasing in MW-2 and MW-14.

Future Site Activities:

Based on the results of the Mann-Kendall Trend Analysis, EnviroTrac recommends reducing the monitoring frequency to bi-annual sampling with quarterly gauging for the remainder of 2023 and 2024. Following the sampling event(s), a groundwater monitoring and sampling report will be prepared and submitted to MDE that includes a dissolved hydrocarbon trend analysis.

Attachments:

Table 1:	Monitoring Well Gauging Data and Historical Groundwater Analytical Summary
Table 2:	Potable Well Historical Analytical Summary
Figure 1:	Site Location Map
Figure 2:	Site Plan
Figure 3:	Potentiometric Surface Map
Figure 4:	Groundwater Analytical Results Map
Appendix A:	Mann-Kendall Trend Analysis
Appendix B:	Analytical Laboratory Report

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TABLES

TABLE 1
Groundwater Monitoring Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

		Gauging Data					Analytical Data											
Sample ID	**Date**	**Top of Casing Elevation**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**TAME (µg/L)**	**ETBE (µg/L)**	**DIPE (µg/L)**	**Naph-thalene (µg/L)**	**TPH GRO (mg/L)**	**TPH DRO (mg/L)**
MW-2	03/02/2011	97.37	32.19	ND	ND	65.18	ND(5)	ND(5)	ND(5)	ND(5)	BRL	76	110	ND(5)	ND(5)	6	ND(5)	NA	NA
	06/02/2011	97.37	29.47	ND	ND	67.90	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/07/2011	97.37	30.97	ND	ND	66.40	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/09/2011	97.37	29.46	ND	ND	67.91	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/29/2012	97.37	29.42	ND	ND	67.95	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/24/2012	97.37	30.92	ND	ND	66.45	ND(5)	ND(5)	ND(5)	ND(5)	BRL	15	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	08/16/2012	97.37	31.42	ND	ND	65.95	ND(5)	ND(5)	ND(5)	ND(5)	BRL	9	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/28/2012	97.37	31.78	ND	ND	65.59	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/26/2013	97.37	30.75	ND	ND	66.62	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/17/2013	97.37	30.44	ND	ND	66.93	ND(5)	ND(5)	ND(5)	ND(5)	BRL	9	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/04/2013	97.37	31.19	ND	ND	66.18	ND(5)	ND(5)	ND(5)	ND(5)	BRL	53	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/15/2013	97.37	31.32	ND	ND	66.05	ND(5)	ND(5)	ND(5)	ND(5)	BRL	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/21/2014	97.37	29.22	ND	ND	68.15	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/15/2014	97.37	27.78	ND	ND	69.59	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	06/30/2015	97.37	28.02	ND	ND	69.35	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/01/2016	97.37	30.06	ND	ND	67.31	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/15/2017	97.37	32.11	ND	ND	65.26	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(20)	ND(1)	ND(1)	39	ND(5)	NA	NA
	10/30/2018	97.37	26.55	ND	ND	70.82	370	24	ND(1)	15	409	120	ND(25)	75	ND(1)	760	ND(10)	NA	NA
	01/29/2019	97.37	25.27	ND	ND	72.10	500	4	ND(1)	6	510	140	370	100	ND(1)	620	ND(10)	NA	NA
	03/14/2019	97.37	25.42	ND	ND	71.95	210	1	ND(1)	ND(5)	211	110	320	64	ND(1)	390	ND(10)	NA	NA
	11/05/2020	97.37	30.96	ND	ND	66.41	ND(5)	ND(5)	ND(5)	ND(15)	BRL	271	883	51	ND(5)	1040	ND(25)	2.90	0.519
	03/01/2021	97.37	28.65	ND	ND	68.72	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2.17	12.0	ND(1)	ND(1)	26.8	ND(5)	0.182	0.179
	05/19/2021	97.37	29.79	ND	ND	67.58	ND(1)	ND(1)	ND(1)	ND(3)	BRL	47.6	9.49	6.58	ND(1)	114	ND(5)	0.251	0.156
	08/11/2021	97.37	30.77	ND	ND	66.60	ND(1)	ND(1)	ND(1)	ND(3)	BRL	32.0	47.7	3.98	ND(1)	151	ND(5)	0.274	0.647
	12/09/2021	97.37	31.26	ND	ND	66.11	ND(1)	ND(1)	ND(1)	ND(3)	BRL	43.7	ND(5)	7.07	ND(1)	153	ND(5)	0.258	0.247
	03/11/2022	97.37	31.86	ND	ND	65.51	ND(1)	ND(1)	ND(1)	ND(3)	BRL	57.6	ND(5)	4.85	ND(1)	102	ND(5)	0.169	0.238
	05/12/2022	97.37	31.02	ND	ND	66.35	ND(1)	ND(1)	ND(1)	ND(3)	BRL	41.3	8.73	2.91	ND(1)	61.3	ND(5)	0.480	0.123

TABLE 1
Groundwater Monitoring Analytical Data
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Frederick, Maryland

		Gauging Data					Analytical Data											
Sample ID	**Date**	**Top of Casing Elevation**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**TAME (µg/L)**	**ETBE (µg/L)**	**DIPE (µg/L)**	**Naph-thalene (µg/L)**	**TPH GRO (mg/L)**	**TPH DRO (mg/L)**
MW-2 Cont.	09/09/2022	97.37	31.78	ND	ND	65.59	ND(1)	ND(1)	ND(1)	ND(3)	BRL	33.2	ND(5)	2.59	ND(1)	34.7	ND(5)	0.134	0.123
	12/02/2022	97.37	32.22	ND	ND	65.15	ND(1)	ND(1)	ND(1)	ND(3)	BRL	37.7	ND(5)	5.32	ND(1)	73.3	ND(5)	0.232	0.187
	02/27/2023	97.37	31.70	ND	ND	65.67	ND(1)	ND(1)	ND(1)	ND(3)	BRL	27.9	7.99	3.20	ND(1)	42.2	ND(5)	0.105	0.183
	06/01/2023	97.37	31.76	ND	ND	65.61	ND(1)	ND(1)	ND(1)	ND(3)	BRL	29.0	6.3	3.06	ND(1)	37.5	ND(5)	0.149	0.136
	09/06/2023	97.37	32.91	ND	ND	64.46	ND(1)	ND(1)	ND(1)	ND(3)	BRL	26.0	ND(5)	1.99	ND(1)	25.6	ND(5)	ND(0.1)	ND(0.1)
MW-5	03/02/2011	92.16	28.76	ND	ND	63.40	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	06/02/2011	92.16	24.80	ND	ND	67.36	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/07/2011	92.16	26.43	ND	ND	65.73	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/09/2011	92.16	25.08	ND	ND	67.08	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/29/2012	92.16	24.82	ND	ND	67.34	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/24/2012	92.16	26.04	ND	ND	66.12	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	08/16/2012	92.16	26.65	ND	ND	65.51	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/28/2012	92.16	27.16	ND	ND	65.00	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/26/2013	92.16	26.18	ND	ND	65.98	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/17/2013	92.16	25.89	ND	ND	66.27	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/04/2013	92.16	26.28	ND	ND	65.88	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/15/2013	92.16	26.82	ND	ND	65.34	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/21/2014	92.16	24.68	ND	ND	67.48	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/15/2014	92.16	22.91	ND	ND	69.25	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	06/30/2015	92.16	23.16	ND	ND	69.00	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/01/2016	92.16	25.28	ND	ND	66.88	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/15/2017	92.16	27.52	ND	ND	64.64	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	10/30/2018	92.16	22.05	ND	ND	70.11	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	NA	NA
	01/29/2019	92.16	20.25	ND	ND	71.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/14/2019	92.16	20.39	ND	ND	71.77	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	NA	NA
	06/04/2019	92.16	20.60	ND	ND	71.56	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	08/22/2019	92.16	22.95	ND	ND	69.21	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)

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		Gauging Data					Analytical Data												
Sample ID	**Date**	**Top of Casing Elevation**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**TAME (µg/L)**	**ETBE (µg/L)**	**DIPE (µg/L)**	**Naph-thalene (µg/L)**	**TPH GRO (mg/L)**	**TPH DRO (mg/L)**
MW-5 Cont.	12/17/2019	92.16	25.53	ND	ND	66.63	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	03/09/2020	92.16	25.20	ND	ND	66.96	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	06/04/2020	92.16	25.10	ND	ND	67.06	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.25)
	08/20/2020	92.16	25.14	ND	ND	67.02	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	11/05/2020	92.16	26.23	ND	ND	65.93	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	03/01/2021	92.16	24.91	ND	ND	67.25	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	05/19/2021	92.16	25.09	ND	ND	67.07	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	08/11/2021	92.16	26.02	ND	ND	66.14	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.124
	12/09/2021	92.16	26.55	ND	ND	65.61	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	03/11/2022	92.16	27.23	ND	ND	64.93	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	05/12/2022	92.16	26.58	ND	ND	65.58	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	09/09/2022	92.16	27.29	ND	ND	64.87	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	12/02/2022	92.16	27.80	ND	ND	64.36	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	02/27/2023	92.16	27.16	ND	ND	65.00	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	06/01/2023	92.16	27.30	ND	ND	64.86	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	09/06/2023	92.16	28.60	ND	ND	63.56	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
MW-9	03/02/2011	99.14	34.24	ND	ND	64.90	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	06/02/2011	99.14	31.39	ND	ND	67.75	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/07/2011	99.14	32.97	ND	ND	66.17	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/24/2012	99.14	32.75	ND	ND	66.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/16/2012	99.14	33.23	ND	ND	65.91	ND(5)	ND(5)	ND(5)	ND(5)	BRL	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/28/2012	99.14	33.45	ND	ND	65.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/26/2013	99.14	32.41	ND	ND	66.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/17/2013	99.14	32.13	ND	ND	67.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/04/2013	99.14	32.75	ND	ND	66.39	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/15/2014	99.14	29.65	ND	ND	69.49	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	06/30/2015	99.14	29.90	ND	ND	69.24	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA

TABLE 1
Groundwater Monitoring Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

		Gauging Data					Analytical Data											
Sample ID	**Date**	**Top of Casing Elevation**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**TAME (µg/L)**	**ETBE (µg/L)**	**DIPE (µg/L)**	**Naph-thalene (µg/L)**	**TPH GRO (mg/L)**	**TPH DRO (mg/L)**
MW-9 Cont.	08/01/2016	99.14	31.81	ND	ND	67.33	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/15/2017	99.14	33.94	ND	ND	65.20	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	10/30/2018	99.14	27.75	ND	ND	71.39	160	32	ND(1)	14	206	31	ND(25)	14	ND(1)	150	ND(10)	NA	NA
	01/29/2019	99.14	27.04	ND	ND	72.10	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	NA	NA
	03/14/2019	99.14	27.21	ND	ND	71.93	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	NA	NA
	06/04/2019	99.14	27.38	ND	ND	71.76	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	08/22/2019	99.14	29.63	ND	ND	69.51	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	12/17/2019	99.14	31.96	ND	ND	67.18	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	0.136	ND(0.1)
	03/09/2020	99.14	31.95	ND	ND	67.19	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	0.138	ND(0.1)
	06/04/2020	99.14	31.89	ND	ND	67.25	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.25)
	08/20/2020	99.14	31.89	ND	ND	67.25	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	11/05/2020	99.14	32.87	ND	ND	66.27	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	03/01/2021	99.14	31.59	ND	ND	67.55	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	05/19/2021	99.14	31.72	ND	ND	67.42	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	08/11/2021	99.14	32.81	ND	ND	66.33	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.128
	12/09/2021	99.14	33.13	ND	ND	66.01	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	ND(0.1)
	03/11/2022	99.14	33.79	ND	ND	65.35	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.128
	05/12/2022	99.14	33.11	ND	ND	66.03	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.107
	09/09/2022	99.14	33.78	ND	ND	65.36	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.196
	12/02/2022	99.14	34.23	ND	ND	64.91	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.227
	02/27/2023	99.14	33.59	ND	ND	65.55	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.404
	06/01/2023	99.14	33.72	ND	ND	65.42	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.1)	0.777
	09/06/2023	99.14	34.90	ND	ND	64.24	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	1.09	ND(5)	ND(0.1)	0.179

TABLE 1
Groundwater Monitoring Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

		Gauging Data					Analytical Data											
Sample ID	**Date**	**Top of Casing Elevation**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**TAME (µg/L)**	**ETBE (µg/L)**	**DIPE (µg/L)**	**Naph-thalene (µg/L)**	**TPH GRO (mg/L)**	**TPH DRO (mg/L)**
MW-14	03/02/2011	97.11	33.26	ND	ND	63.85	ND(5)	ND(5)	ND(5)	ND(5)	BRL	500	ND(80)	12	ND(5)	ND(5)	ND(5)	NA	NA
	06/02/2011	97.11	30.36	ND	ND	66.75	ND(5)	ND(5)	ND(5)	ND(5)	BRL	96	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/07/2011	97.11	32.10	ND	ND	65.01	ND(5)	ND(5)	ND(5)	ND(5)	BRL	410	ND(80)	9	ND(5)	5	ND(5)	NA	NA
	11/09/2011	97.11	30.63	ND	ND	66.48	ND(5)	ND(5)	ND(5)	ND(5)	BRL	65	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/29/2012	97.11	30.50	ND	ND	66.61	ND(5)	ND(5)	ND(5)	ND(5)	BRL	23	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/24/2012	97.11	31.81	ND	ND	65.30	ND(5)	ND(5)	ND(5)	ND(5)	BRL	18	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	08/16/2012	97.11	32.27	ND	ND	64.84	ND(5)	ND(5)	ND(5)	ND(5)	BRL	19	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/28/2012	97.11	32.61	ND	ND	64.50	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/26/2013	97.11	31.64	ND	ND	65.47	ND(5)	ND(5)	ND(5)	ND(5)	BRL	130	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/17/2013	97.11	31.33	ND	ND	65.78	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	09/04/2013	97.11	32.14	ND	ND	64.97	ND(5)	ND(5)	ND(5)	ND(5)	BRL	48	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	11/15/2013	97.11	32.22	ND	ND	64.89	ND(5)	ND(5)	ND(5)	ND(5)	BRL	34	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	02/21/2014	97.11	30.36	ND	ND	66.75	ND(5)	ND(5)	ND(5)	ND(5)	BRL	13	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA
	05/15/2014	97.11	29.68	ND	ND	67.43	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	06/30/2015	97.11	29.89	ND	ND	67.22	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/01/2016	97.11	30.92	ND	ND	66.19	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA
	08/15/2017	97.11	33.03	ND	ND	64.08	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(20)	ND(1)	ND(1)	2	ND(5)	NA	NA
	10/30/2018	97.11	28.68	ND	ND	68.43	ND(1)	ND(1)	ND(1)	ND(5)	BRL	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	NA	NA
	01/29/2019	97.11	26.04	ND	ND	71.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/14/2019	97.11	26.23	ND	ND	70.88	210	8	ND(1)	ND(5)	218	68	73	34	ND(1)	280	ND(10)	NA	NA
	06/04/2019	97.11	26.41	ND	ND	70.70	125	ND(1)	ND(1)	ND(3)	125	67.5	54.1	26.1	ND(1)	275	ND(5)	0.763	0.103
	08/22/2019	97.11	28.66	ND	ND	68.45	25.1	ND(1)	ND(1)	ND(3)	25.1	160	81.2	53.1	ND(1)	895	ND(5)	1.24	0.135
	12/17/2019	97.11	31.03	ND	ND	66.08	6.10	ND(1)	ND(1)	ND(3)	6.10	264	25.5	89.9	ND(1)	1800	ND(5)	3.27	0.246
	03/09/2020	97.11	30.96	ND	ND	66.15	ND(25)	ND(25)	ND(25)	ND(25)	BRL	257	936	71.6	ND(25)	1420	ND(125)	1.25	0.377
	06/04/2020	97.11	30.86	ND	ND	66.25	6.54	ND(5)	ND(5)	ND(15)	6.54	191	420	48.4	ND(5)	1000	ND(25)	1.53	0.525
	08/20/2020	97.11	30.91	ND	ND	66.20	8.04	ND(5)	ND(5)	ND(15)	8.04	162	ND(25)	43.9	ND(5)	938	ND(25)	1.17	0.302
	11/05/2020	97.11	31.90	ND	ND	65.21	ND(5)	ND(5)	ND(5)	ND(15)	BRL	133	66.1	32	ND(5)	607	ND(25)	1.3	0.189

TABLE 1
Groundwater Monitoring Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

		Gauging Data					Analytical Data											
Sample ID	**Date**	**Top of Casing Elevation**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**TAME (µg/L)**	**ETBE (µg/L)**	**DIPE (µg/L)**	**Naph-thalene (µg/L)**	**TPH GRO (mg/L)**	**TPH DRO (mg/L)**
MW-14 Cont.	03/01/2021	97.11	30.55	ND	ND	66.56	ND(5)	ND(5)	ND(5)	ND(15)	BRL	74.6	28.9	16.7	ND(5)	340	ND(25)	0.621	0.359
	05/19/2021	97.11	30.70	ND	ND	66.41	ND(5)	ND(5)	ND(5)	ND(15)	BRL	73.5	ND(25)	16.2	ND(5)	338	ND(25)	0.493	0.269
	08/11/2021	97.11	31.66	ND	ND	65.45	ND(5)	ND(5)	ND(5)	ND(15)	BRL	46.1	ND(25)	10.6	ND(5)	205	ND(25)	0.359	0.261
	12/09/2021	97.11	32.16	ND	ND	64.95	ND(5)	ND(5)	ND(5)	ND(15)	BRL	61.9	ND(25)	6.77	ND(5)	128	ND(25)	0.219	0.196
	03/11/2022	97.11	32.81	ND	ND	64.30	ND(5)	ND(5)	ND(5)	ND(15)	BRL	38.7	ND(25)	8.77	ND(5)	171	ND(25)	0.241	0.146
	05/12/2022	97.11	32.16	ND	ND	64.95	ND(5)	ND(5)	ND(5)	ND(15)	BRL	45.7	ND(25)	7.50	ND(5)	143	ND(25)	0.605	0.215
	09/09/2022	97.11	32.74	ND	ND	64.37	ND(5)	ND(5)	ND(5)	ND(15)	BRL	16.9	ND(25)	ND(5)	ND(5)	36.8	ND(25)	ND(0.1)	ND(0.1)
	12/02/2022	97.11	33.16	ND	ND	63.95	ND(1)	ND(1)	ND(1)	ND(3)	BRL	21.0	ND(5)	2.13	ND(1)	39.6	ND(5)	ND(0.1)	0.112
	02/27/2023	97.11	32.57	ND	ND	64.54	ND(1)	ND(1)	ND(1)	ND(3)	BRL	2.15	ND(5)	ND(1)	ND(1)	2.5	ND(5)	ND(0.1)	0.103
	06/01/2023	97.11	32.69	ND	ND	64.42	ND(1)	ND(1)	ND(1)	ND(3)	BRL	4.86	ND(5)	ND(1)	ND(1)	7.9	ND(5)	ND(0.1)	ND(0.1)
	09/06/2023	97.11	33.78	ND	ND	63.33	ND(1)	ND(1)	ND(1)	ND(3)	BRL	35.40	ND(5)	3.62	ND(1)	97.6	ND(5)	ND(0.1)	ND(0.1)
MDE Groundwater Cleanup Standards																			
Type I and II Aquifers							5	1,000	700	10,000	--	20	--	--	--	--	0.17	0.047	0.047

Notes:

µg/L - micrograms per liter (µg/L)
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - Di-Isopropyl Ether
ETBE - Ethyl Tertiary Butyl Ether
J - Indicates an estimated value
Shaded - Exceeds the MDE Groundwater Cleanup Standard
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol

* MDE standards referenced from the State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater dated October 2018, Interim Final Guidance (Update No. 3)

TABLE 2
Potable Well (On-site) Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	* MTBE (µg/L)	* TBA (µg/L)	* TAME (µg/L)	* ETBE (µg/L)	* DIPE (µg/L)	* Naph-thalene (µg/L)
PW-1	03/06/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.67	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	06/05/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.63	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	09/13/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.85	ND(5.0)	NA	NA	NA	ND(0.50)
	12/13/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.9	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	02/02/2007	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.89	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	08/17/2007	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.5	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	11/01/2007	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.1	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	02/21/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.4	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	05/13/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.9	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	09/03/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.8	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	11/24/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.2	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	02/23/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.0	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
	05/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.3	ND(5.0)	ND(0.50)	ND(0.50)	0.17 J	ND(0.50)
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	4.3	ND(5.0)	ND(0.50)	ND(0.50)	0.20 J	ND(0.50)
	09/17/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.0	NA	NA	NA	NA	ND(0.50)
	10/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.1	ND(5.0)	ND(0.50)	ND(0.50)	0.23 J	ND(0.50)
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.7	ND(5.0)	ND(0.50)	ND(0.50)	0.19 J	ND(0.50)
	04/01/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.7	ND(5.0)	ND(0.50)	ND(0.50)	0.20 J	ND(0.50)
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	3.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1.2	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/07/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	11/09/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	0.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	02/29/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	0.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	05/29/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	08/17/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	11/28/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	0.5	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

TABLE 2
Potable Well (On-site) Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

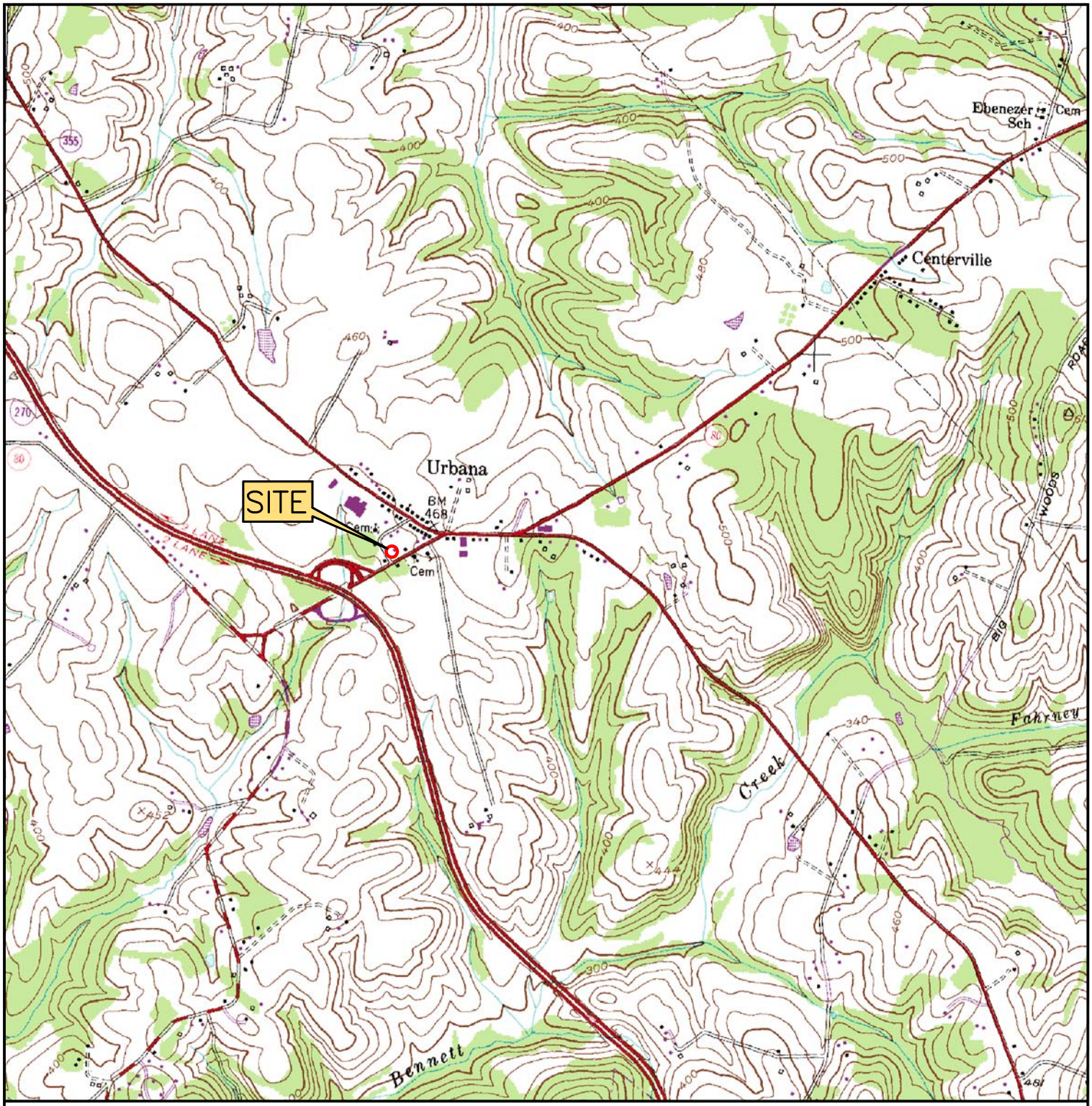
Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	* MTBE (µg/L)	* TBA (µg/L)	* TAME (µg/L)	* ETBE (µg/L)	* DIPE (µg/L)	* Naph-thalene (µg/L)
PW-1 Cont.	02/26/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	0.6	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	05/17/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	09/04/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	11/15/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	02/21/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	05/15/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	06/30/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	2.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	08/01/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	08/15/2017	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	10/31/2018	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	03/14/2019	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	06/04/2019	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA	NA
	08/22/2019	ND(0.5)	ND(1)	ND(0.5	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA	NA
	12/17/2019	ND(0.5)	ND(1)	ND(0.5	ND(0.5)	BRL	1.27	NA	NA	NA	NA	NA
	03/09/2020	ND(0.5)	ND(1)	ND(0.5	ND(0.5)	BRL	1.07	NA	NA	NA	NA	NA
	06/04/2020	ND(0.5)	ND(1)	ND(0.5	ND(0.5)	BRL	0.794	NA	NA	NA	NA	NA
	08/20/2020	ND(0.5)	ND(1)	ND(0.5	ND(0.5)	BRL	0.716	NA	NA	NA	NA	NA
	11/05/2020	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(5.0)	NA	NA	NA	NA
	03/01/2021	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	1.55	ND(5.0)	ND(1)	ND(1)	ND(1)	NA
	05/19/2021	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	NA
	08/11/2021	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	NA
	12/09/2021	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)
	03/11/2022	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)
	05/12/2022	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)
	12/02/2022	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)

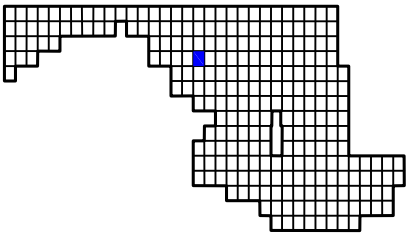
TABLE 2
Potable Well (On-site) Analytical Data
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	* MTBE (µg/L)	* TBA (µg/L)	* TAME (µg/L)	* ETBE (µg/L)	* DIPE (µg/L)	* Naph-thalene (µg/L)
PW-1 Cont.	02/27/2023	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)
	06/01/2023	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)
	09/06/2023	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5.0)	ND(1)	ND(1)	ND(1)	ND(5.0)

Notes:
µg/L - micrograms per liter (µg/L)
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - Di-Isopropyl Ether
ETBE - Ethyl Tertiary Butyl Ether
TBA - Tertiary Butyl Alcohol
* Samples analyzed by Method 8260 beginning on 03/01/2021
J - Indicates an estimated value
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
NS - Not sampled
TAME - Tertiary Amyl Methyl Ether
ND(5.0) - Not detected at or above the reporting limit

FIGURES





TOPOGRAPHIC QUADRANGLE:
URBANA, MARYLAND

APPROX. ELEVATION: 467 FT.

North

0 2000

SCALE IN FEET

FIGURE #			
1	SOUTHSIDE FACILITY #26463 8816 FINGERBOARD ROAD FREDERICK, MARYLAND	SITE LOCATION MAP	
		DRAWN BY: B.S.	REVISION DATE: 6/20/2019

EnviroTrac
ENVIRONMENTAL SERVICES
155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911
PHONE: (434)202-7808

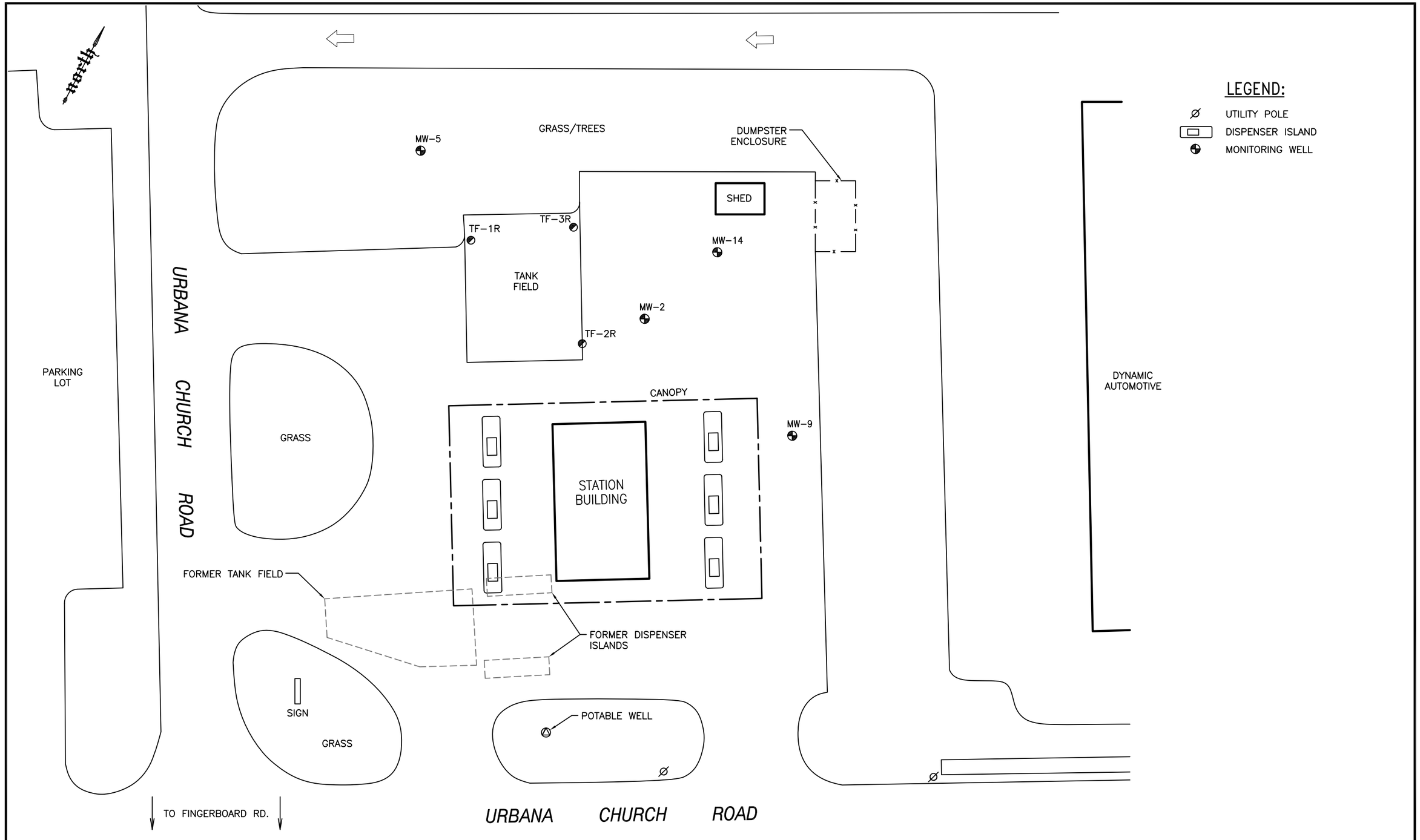


FIGURE # 2	SOUTHSIDE FACILITY #26463 8816 FINGERBOARD ROAD FREDERICK, MARYLAND	SITE PLAN	0 30 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911 PHONE: (434)202-7808
		DRAWN BY: B.S. / REVISION DATE: 7/8/2019		

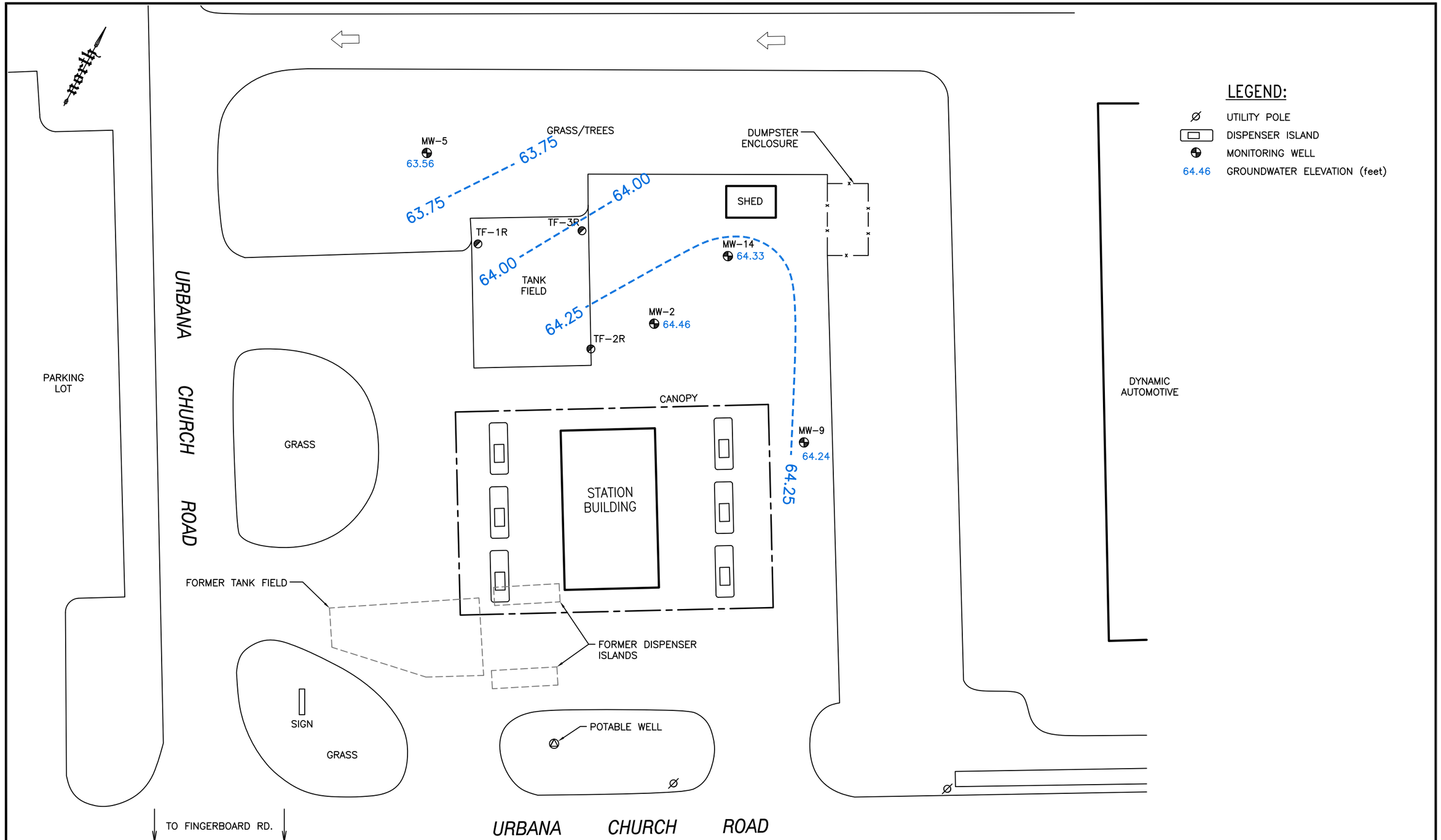


FIGURE #			
3	SOUTHSIDE FACILITY #26463 8816 FINGERBOARD ROAD FREDERICK, MARYLAND	POTENTIOMETRIC SURFACE MAP SEPTEMBER 6, 2023	0 30 SCALE IN FEET
		DRAWN BY: B.S. / REVISION DATE: 10/11/2023	

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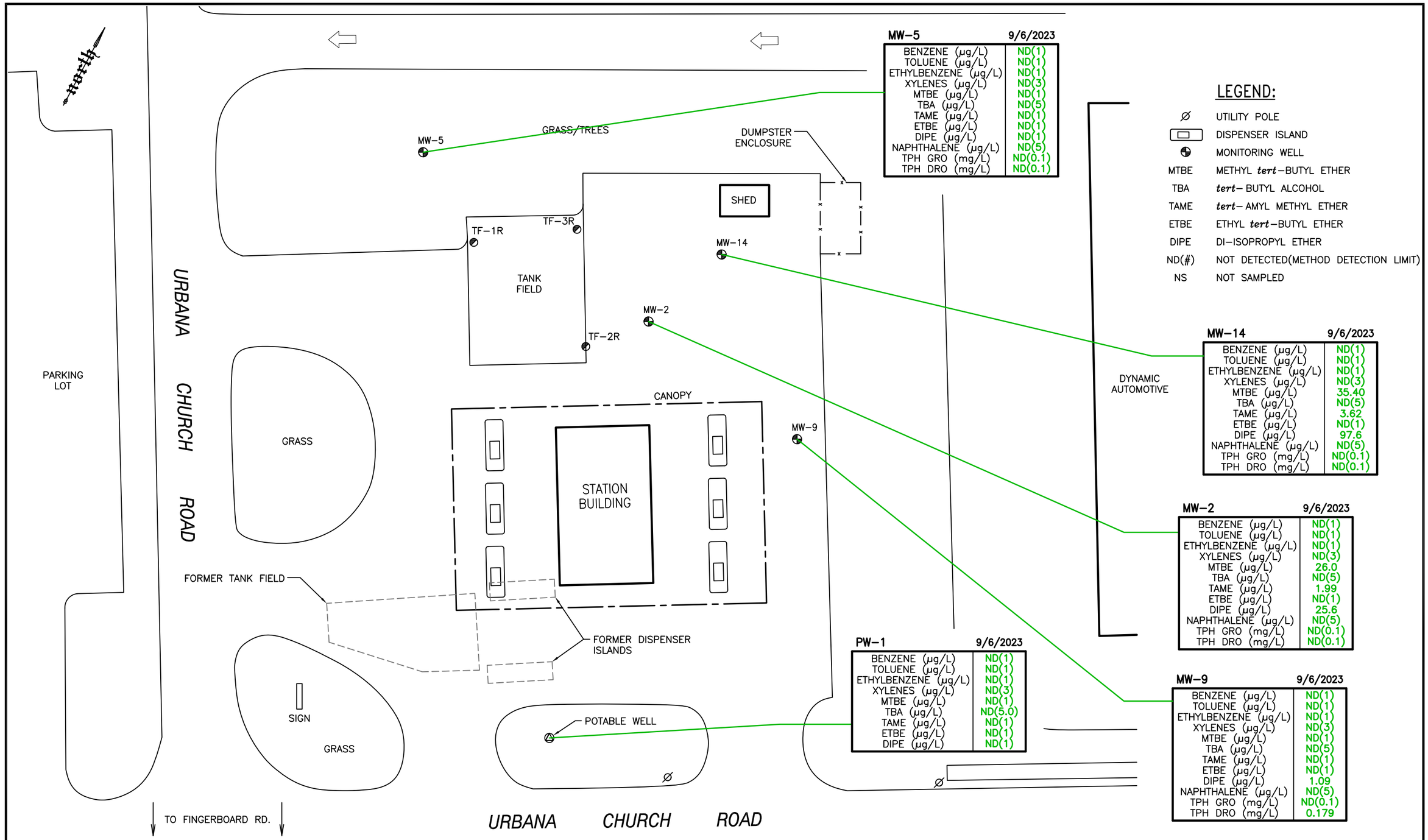
ENVIRONMENTAL SERVICES
155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911
PHONE: (434)202-7808



MW-5	9/6/2023
BENZENE (µg/L)	ND(1)
TOLUENE (µg/L)	ND(1)
ETHYLBENZENE (µg/L)	ND(1)
XYLENES (µg/L)	ND(3)
MTBE (µg/L)	ND(1)
TBA (µg/L)	ND(5)
TAME (µg/L)	ND(1)
ETBE (µg/L)	ND(1)
DIPE (µg/L)	ND(1)
NAPHTHALENE (µg/L)	ND(5)
TPH GRO (mg/L)	ND(0.1)
TPH DRO (mg/L)	ND(0.1)

LEGEND:

⌀	UTILITY POLE
▭	DISPENSER ISLAND
⊕	MONITORING WELL
MTBE	METHYL *tert*–BUTYL ETHER
TBA	*tert*– BUTYL ALCOHOL
TAME	*tert*– AMYL METHYL ETHER
ETBE	ETHYL *tert*–BUTYL ETHER
DIPE	DI–ISOPROPYL ETHER
ND(#)	NOT DETECTED(METHOD DETECTION LIMIT)
NS	NOT SAMPLED

MW-14	9/6/2023
BENZENE (µg/L)	ND(1)
TOLUENE (µg/L)	ND(1)
ETHYLBENZENE (µg/L)	ND(1)
XYLENES (µg/L)	ND(3)
MTBE (µg/L)	35.40
TBA (µg/L)	ND(5)
TAME (µg/L)	3.62
ETBE (µg/L)	ND(1)
DIPE (µg/L)	97.6
NAPHTHALENE (µg/L)	ND(5)
TPH GRO (mg/L)	ND(0.1)
TPH DRO (mg/L)	ND(0.1)

MW-2	9/6/2023
BENZENE (µg/L)	ND(1)
TOLUENE (µg/L)	ND(1)
ETHYLBENZENE (µg/L)	ND(1)
XYLENES (µg/L)	ND(3)
MTBE (µg/L)	26.0
TBA (µg/L)	ND(5)
TAME (µg/L)	1.99
ETBE (µg/L)	ND(1)
DIPE (µg/L)	25.6
NAPHTHALENE (µg/L)	ND(5)
TPH GRO (mg/L)	ND(0.1)
TPH DRO (mg/L)	ND(0.1)

PW-1	9/6/2023
BENZENE (µg/L)	ND(1)
TOLUENE (µg/L)	ND(1)
ETHYLBENZENE (µg/L)	ND(1)
XYLENES (µg/L)	ND(3)
MTBE (µg/L)	ND(1)
TBA (µg/L)	ND(5.0)
TAME (µg/L)	ND(1)
ETBE (µg/L)	ND(1)
DIPE (µg/L)	ND(1)

MW-9	9/6/2023
BENZENE (µg/L)	ND(1)
TOLUENE (µg/L)	ND(1)
ETHYLBENZENE (µg/L)	ND(1)
XYLENES (µg/L)	ND(3)
MTBE (µg/L)	ND(1)
TBA (µg/L)	ND(5)
TAME (µg/L)	ND(1)
ETBE (µg/L)	ND(1)
DIPE (µg/L)	1.09
NAPHTHALENE (µg/L)	ND(5)
TPH GRO (mg/L)	ND(0.1)
TPH DRO (mg/L)	0.179

FIGURE #			
4	SOUTHSIDE FACILITY #26463 8816 FINGERBOARD ROAD FREDERICK, MARYLAND	GROUNDWATER ANALYTICAL RESULTS MAP SEPTEMBER 6, 2023	0 30 SCALE IN FEET
		DRAWN BY: B.S. / REVISION DATE: 10/11/2023	

EnviroTrac
ENVIRONMENTAL SERVICES
155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911
PHONE: (434)202–7808

APPENDIX A

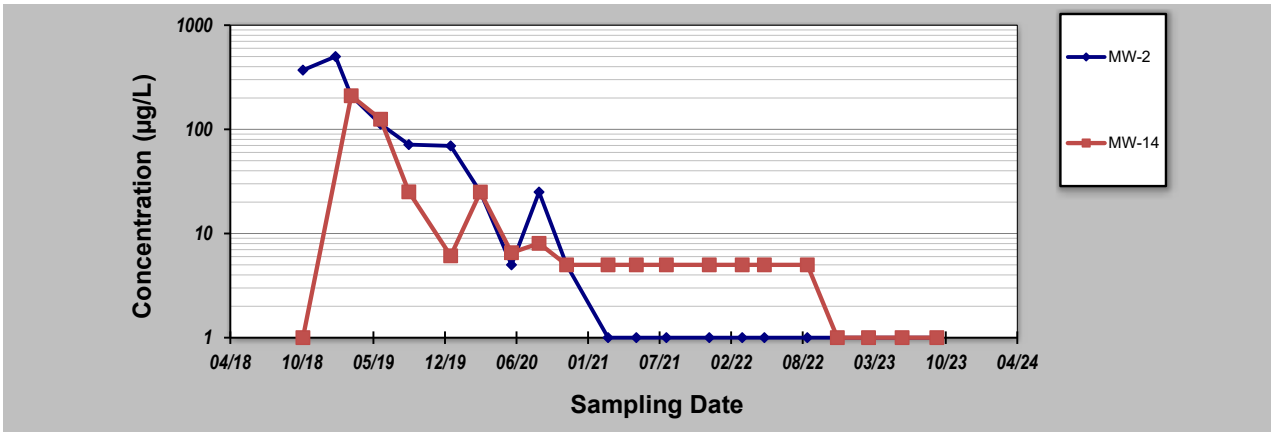
MANN-KENDALL TREND ANALYSIS

EnviroTrac
Environmental Services

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	28-Sep-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	Benzene
Conducted By:	D. Shertzer	Concentration Units:	µg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	BENZENE CONCENTRATION (µg/L)						
1	10/30/2018	370	1					
2	1/29/2019	500						
3	3/14/2019	210	210					
4	6/4/2019	112	125					
5	8/22/2019	71.3	25.1					
6	12/17/2019	69.3	6.1					
7	3/9/2020	25	25					
8	6/4/2020	5	6.54					
9	8/20/2020	25	8.04					
10	11/5/2020	5	5					
11	3/1/2021	1	5					
12	5/19/2021	1	5					
13	8/11/2021	1	5					
14	12/9/2021	1	5					
15	3/11/2022	1	5					
16	5/12/2022	1	5					
17	9/9/2022	1	5					
18	12/2/2022	1	1					
19	2/27/2023	1	1					
20	6/1/2023	1	1					
21	9/6/2023	1	1					
22								
23								
24								
25								
Coefficient of Variation:		2.01	2.30					
Mann-Kendall Statistic (S):		-149	-114					
Confidence Factor:		>99.9%	>99.9%					
Concentration Trend:		Decreasing	Decreasing					



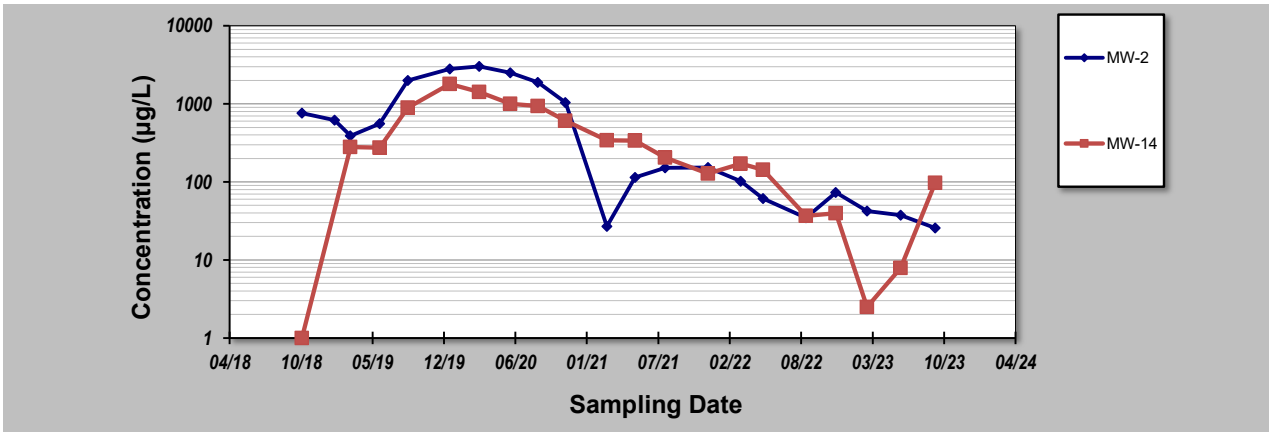
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	28-Sep-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	DIPE
Conducted By:	D. Shertzer	Concentration Units:	µg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	DIPE CONCENTRATION (µg/L)						
1	10/30/2018	760	1					
2	1/29/2019	620						
3	3/14/2019	390	280					
4	6/4/2019	559	275					
5	8/22/2019	2000	895					
6	12/17/2019	2800	1800					
7	3/9/2020	3030	1420					
8	6/4/2020	2510	1000					
9	8/20/2020	1880	938					
10	11/5/2020	1040	607					
11	3/1/2021	26.8	340					
12	5/19/2021	114	338					
13	8/11/2021	151	205					
14	12/9/2021	153	128					
15	3/11/2022	102	171					
16	5/12/2022	61.3	143					
17	9/9/2022	34.7	36.8					
18	12/2/2022	73.3	39.6					
19	2/27/2023	42.2	2.5					
20	6/1/2023	37.5	7.9					
21	9/6/2023	25.6	97.6					
22								
23								
24								
25								
Coefficient of Variation:		1.30	1.18					
Mann-Kendall Statistic (S):		-120	-96					
Confidence Factor:		>99.9%	99.9%					
Concentration Trend:		Decreasing	Decreasing					



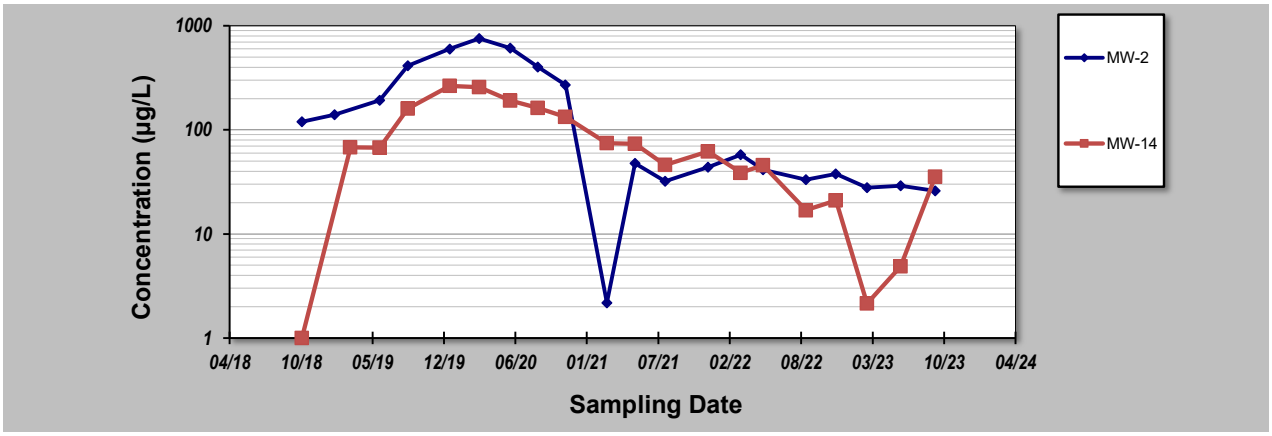
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	28-Sep-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	MTBE
Conducted By:	D. Shertzer	Concentration Units:	µg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	MTBE CONCENTRATION (µg/L)						
1	10/30/2018	120	1					
2	1/29/2019	140						
3	3/14/2019	110	68					
4	6/4/2019	192	67.5					
5	8/22/2019	413	160					
6	12/17/2019	600	264					
7	3/9/2020	754	257					
8	6/4/2020	612	191					
9	8/20/2020	401	162					
10	11/5/2020	271	133					
11	3/1/2021	2.17	74.6					
12	5/19/2021	47.6	73.5					
13	8/11/2021	32	46.1					
14	12/9/2021	43.7	61.9					
15	3/11/2022	57.6	38.7					
16	5/12/2022	41.3	45.7					
17	9/9/2022	33.2	16.9					
18	12/2/2022	37.7	21.0					
19	2/27/2023	27.9	2.15					
20	6/1/2023	29	4.86					
21	9/6/2023	26	35.4					
22								
23								
24								
25								
Coefficient of Variation:		1.21	0.94					
Mann-Kendall Statistic (S):		-116	-96					
Confidence Factor:		>99.9%	99.9%					
Concentration Trend:		Decreasing	Decreasing					



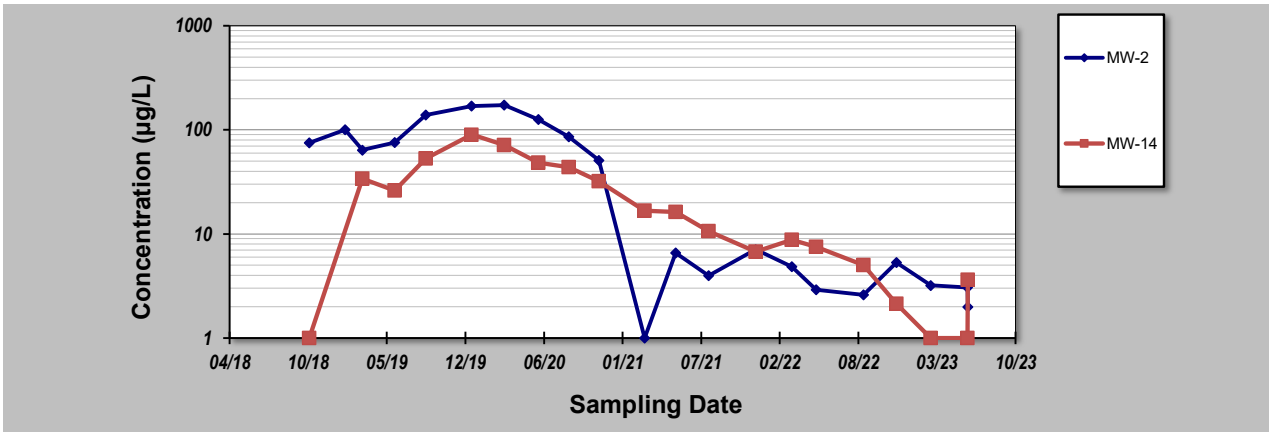
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	28-Sep-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	TAME
Conducted By:	D. Shertzer	Concentration Units:	µg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	TAME CONCENTRATION (µg/L)						
1	10/30/2018	75	1					
2	1/29/2019	100						
3	3/14/2019	64	34					
4	6/4/2019	75.7	26.1					
5	8/22/2019	139	53.1					
6	12/17/2019	170	89.9					
7	3/9/2020	173	71.6					
8	6/4/2020	126	48.4					
9	8/20/2020	86.1	43.9					
10	11/5/2020	51	32					
11	3/1/2021	1	16.7					
12	5/19/2021	6.58	16.2					
13	8/11/2021	3.98	10.6					
14	12/9/2021	7.07	6.77					
15	3/11/2022	4.85	8.77					
16	5/12/2022	2.91	7.5					
17	9/9/2022	2.59	5					
18	12/2/2022	5.32	2.13					
19	2/27/2023	3.2	1					
20	6/1/2023	3.06	1					
21	6/2/2023	1.99	3.62					
22								
23								
24								
25								
Coefficient of Variation:		1.14	1.07					
Mann-Kendall Statistic (S):		-118	-117					
Confidence Factor:		>99.9%	>99.9%					
Concentration Trend:		Decreasing	Decreasing					



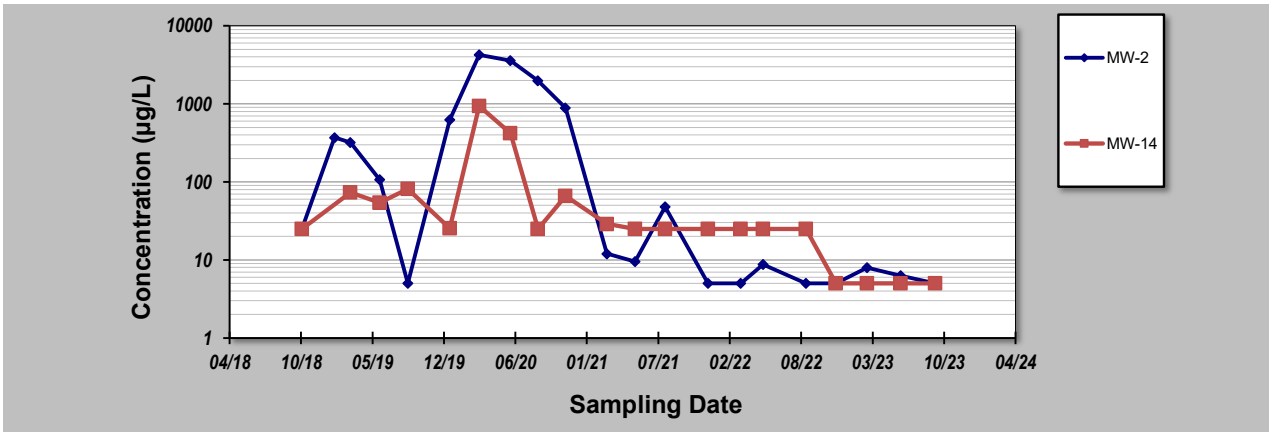
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	28-Sep-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	TBA
Conducted By:	D. Shertzer	Concentration Units:	µg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	TBA CONCENTRATION (µg/L)						
1	10/30/2018	25	25					
2	1/29/2019	370						
3	3/14/2019	320	73					
4	6/4/2019	107	54.1					
5	8/22/2019	5	81.2					
6	12/17/2019	624	25.5					
7	3/9/2020	4230	936					
8	6/4/2020	3600	420					
9	8/20/2020	1970	25					
10	11/5/2020	883	66.1					
11	3/1/2021	12	28.9					
12	5/19/2021	9.49	25					
13	8/11/2021	47.7	25					
14	12/9/2021	5	25					
15	3/11/2022	5	25					
16	5/12/2022	8.73	25					
17	9/9/2022	5	25					
18	12/2/2022	5	5					
19	2/27/2023	7.99	5					
20	6/1/2023	6.3	5					
21	9/6/2023	5	5					
22								
23								
24								
25								
Coefficient of Variation:		2.06	2.28					
Mann-Kendall Statistic (S):		-93	-110					
Confidence Factor:		99.8%	>99.9%					
Concentration Trend:		Decreasing	Decreasing					



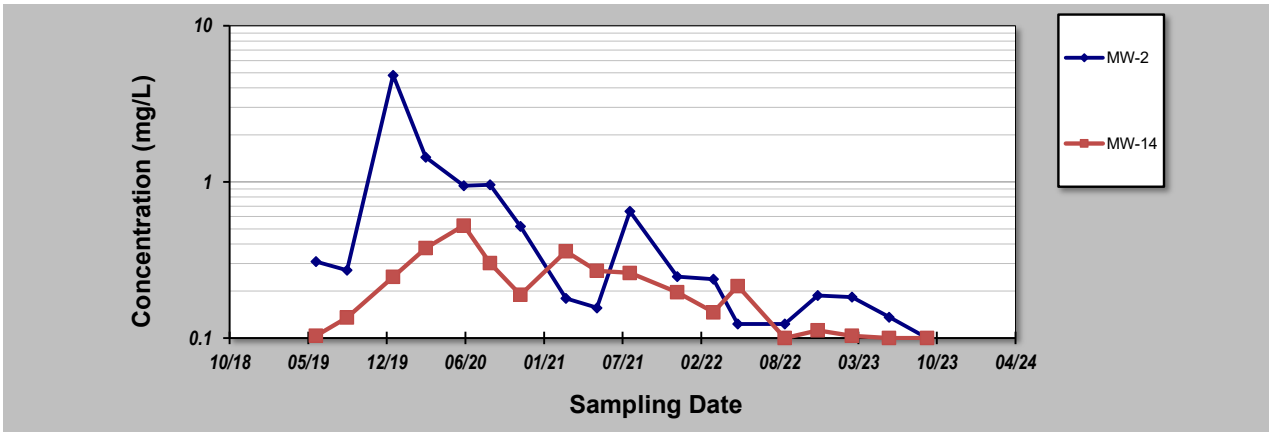
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	6-Sep-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	TPH DRO
Conducted By:	D. Shertzer	Concentration Units:	mg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	TPH DRO CONCENTRATION (mg/L)						
1	6/4/2019	0.308	0.103					
2	8/22/2019	0.272	0.135					
3	12/17/2019	4.83	0.246					
4	3/9/2020	1.44	0.377					
5	6/14/2020	0.947	0.525					
6	8/20/2020	0.957	0.302					
7	11/5/2020	0.519	0.189					
8	3/1/2021	0.179	0.359					
9	5/19/2021	0.156	0.269					
10	8/11/2021	0.647	0.261					
11	12/9/2021	0.247	0.196					
12	3/11/2022	0.238	0.146					
13	5/12/2022	0.123	0.215					
14	9/9/2022	0.123	0.1					
15	12/2/2022	0.187	0.112					
16	2/27/2023	0.183	0.103					
17	6/1/2023	0.136	0.1					
18	9/6/2023	0.1	0.1					
19								
20								
21								
22								
23								
24								
25								
Coefficient of Variation:		1.72	0.56					
Mann-Kendall Statistic (S):		-92	-67					
Confidence Factor:		>99.9%	99.5%					
Concentration Trend:		Decreasing	Decreasing					



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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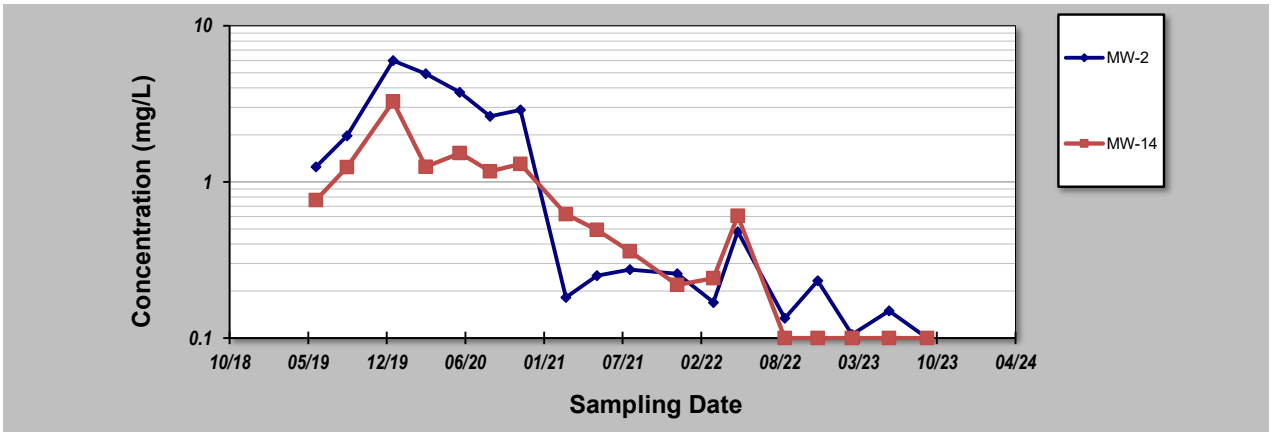
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	11-Jul-23	Job ID:	South Side Facility #2643
Facility Name:	South Side Facility #2643	Constituent:	TPH GRO
Conducted By:	D. Shertzer	Concentration Units:	mg/L

Sampling Point ID:	MW-2	MW-14					
Sampling Event	Sampling Date	TPH GRO CONCENTRATION (mg/L)						
1	6/4/2019	1.25	0.763					
2	8/22/2019	1.97	1.24					
3	12/17/2019	5.98	3.27					
4	3/9/2020	4.93	1.25					
5	6/4/2020	3.76	1.53					
6	8/20/2020	2.63	1.17					
7	11/5/2020	2.9	1.3					
8	3/1/2021	0.182	0.621					
9	5/19/2021	0.251	0.493					
10	8/11/2021	0.274	0.359					
11	12/9/2021	0.258	0.219					
12	3/11/2022	0.169	0.241					
13	5/12/2022	0.480	0.605					
14	9/9/2022	0.134	0.1					
15	12/2/2022	0.232	0.1					
16	2/27/2023	0.105	0.1					
17	6/1/2023	0.149	0.1					
18	9/6/2023	0.1	0.1					
19								
20								
21								
22								
23								
24								
25								
Coefficient of Variation:		1.30	1.06					
Mann-Kendall Statistic (S):		-99	-107					
Confidence Factor:		>99.9%	>99.9%					
Concentration Trend:		Decreasing	Decreasing					



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APPENDIX B

LABORATORY ANALYTICAL REPORT

EnviroTrac
Environmental Services

ANALYTICAL REPORT

September 18, 2023

EnviroTrac Ltd. - Sunoco

Sample Delivery Group:	L1653618
Samples Received:	09/07/2023
Project Number:	07923998
Description:	07923998

Report To: Eric Shertzer
155 Riverbend Drive Suite A
Charlottesville, VA 22911

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

PW-1 L1653618-01 GW

Collected by: D. Shertzer | Collected date/time: 09/06/23 12:15 | Received date/time: 09/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2130047	1	09/11/23 12:47	09/11/23 12:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2132296	1	09/15/23 13:52	09/15/23 13:52	ADM	Mt. Juliet, TN

PW-1 L1653618-02 GW

Collected by: D. Shertzer | Collected date/time: 09/06/23 12:15 | Received date/time: 09/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2129303	1	09/09/23 16:52	09/09/23 16:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2131591	1	09/14/23 02:33	09/14/23 02:33	KSD	Mt. Juliet, TN

MW-2 L1653618-03 GW

Collected by: D. Shertzer | Collected date/time: 09/06/23 11:00 | Received date/time: 09/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2130398	1	09/12/23 12:21	09/12/23 12:21	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2129303	1	09/09/23 17:14	09/09/23 17:14	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2131591	1	09/14/23 02:54	09/14/23 02:54	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2131193	1	09/13/23 08:26	09/13/23 14:36	MAA	Mt. Juliet, TN

MW-5 L1653618-04 GW

Collected by: D. Shertzer | Collected date/time: 09/06/23 10:30 | Received date/time: 09/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2130398	1	09/12/23 12:44	09/12/23 12:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2129303	1	09/09/23 17:36	09/09/23 17:36	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2131591	1	09/14/23 03:16	09/14/23 03:16	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2131193	1	09/13/23 08:26	09/13/23 14:56	MAA	Mt. Juliet, TN

MW-9 L1653618-05 GW

Collected by: D. Shertzer | Collected date/time: 09/06/23 12:00 | Received date/time: 09/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2130398	1	09/12/23 13:07	09/12/23 13:07	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2129731	1	09/10/23 21:28	09/10/23 21:28	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2131193	1	09/13/23 08:26	09/13/23 15:16	MAA	Mt. Juliet, TN

MW-14 L1653618-06 GW

Collected by: D. Shertzer | Collected date/time: 09/06/23 11:30 | Received date/time: 09/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2130398	1	09/12/23 13:30	09/12/23 13:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2129731	1	09/10/23 21:49	09/10/23 21:49	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2131193	1	09/13/23 08:26	09/13/23 15:35	MAA	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chad A Upchurch
Project Manager

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		0.500	1	09/11/2023 12:47	WG2130047
Carbon tetrachloride	ND		0.500	1	09/11/2023 12:47	WG2130047
1,4-Dichlorobenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
1,2-Dichloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
1,1-Dichloroethene	ND		0.500	1	09/11/2023 12:47	WG2130047
1,1,1-Trichloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
Trichloroethene	ND		0.500	1	09/11/2023 12:47	WG2130047
Vinyl chloride	ND		0.500	1	09/11/2023 12:47	WG2130047
1,2,4-Trichlorobenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
cis-1,2-Dichloroethene	ND		0.500	1	09/11/2023 12:47	WG2130047
Xylenes, Total	ND		0.500	1	09/11/2023 12:47	WG2130047
Methylene chloride	ND		0.500	1	09/11/2023 12:47	WG2130047
1,2-Dichlorobenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
trans-1,2-Dichloroethene	ND		0.500	1	09/11/2023 12:47	WG2130047
1,2-Dichloropropane	ND		0.500	1	09/11/2023 12:47	WG2130047
1,1,2-Trichloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
Tetrachloroethene	ND		0.500	1	09/11/2023 12:47	WG2130047
Chlorobenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
Toluene	ND		1.00	1	09/11/2023 12:47	WG2130047
Ethylbenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
Styrene	ND		0.500	1	09/11/2023 12:47	WG2130047
Bromobenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
Bromodichloromethane	ND		0.500	1	09/11/2023 12:47	WG2130047
Bromoform	ND		0.500	1	09/11/2023 12:47	WG2130047
Bromomethane	ND		1.00	1	09/11/2023 12:47	WG2130047
Chlorodibromomethane	ND		0.500	1	09/11/2023 12:47	WG2130047
Chloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
Chloroform	ND		0.500	1	09/11/2023 12:47	WG2130047
Chloromethane	ND		0.500	1	09/11/2023 12:47	WG2130047
2-Chlorotoluene	ND		0.500	1	09/11/2023 12:47	WG2130047
4-Chlorotoluene	ND		0.500	1	09/11/2023 12:47	WG2130047
Dibromomethane	ND		0.500	1	09/11/2023 12:47	WG2130047
Methyl tert-butyl ether	ND		0.500	1	09/11/2023 12:47	WG2130047
1,3-Dichlorobenzene	ND		0.500	1	09/11/2023 12:47	WG2130047
1,1-Dichloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
1,3-Dichloropropane	ND		0.500	1	09/11/2023 12:47	WG2130047
2,2-Dichloropropane	ND		0.500	1	09/15/2023 13:52	WG2132296
1,1-Dichloropropene	ND		0.500	1	09/11/2023 12:47	WG2130047
1,3-Dichloropropene	ND		0.500	1	09/11/2023 12:47	WG2130047
1,1,1,2-Tetrachloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
1,1,2,2-Tetrachloroethane	ND		0.500	1	09/11/2023 12:47	WG2130047
1,2,3-Trichloropropane	ND		0.500	1	09/11/2023 12:47	WG2130047
Di-isopropyl ether	ND		1.00	1	09/11/2023 12:47	WG2130047
tert-Butyl alcohol	ND		5.00	1	09/11/2023 12:47	WG2130047
(S) 4-Bromofluorobenzene	*95.0*		*70.0-130*		*09/11/2023 12:47*	WG2130047
(S) 4-Bromofluorobenzene	*83.4*		*70.0-130*		*09/15/2023 13:52*	WG2132296
(S) 1,2-Dichlorobenzene-d4	*96.6*		*70.0-130*		*09/11/2023 12:47*	WG2130047
(S) 1,2-Dichlorobenzene-d4	*80.8*		*70.0-130*		*09/15/2023 13:52*	WG2132296

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/09/2023 16:52	WG2129303
Acrylonitrile	ND		10.0	1	09/09/2023 16:52	WG2129303
Benzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Bromobenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Bromochloromethane	ND		1.00	1	09/09/2023 16:52	WG2129303
Bromodichloromethane	ND		1.00	1	09/09/2023 16:52	WG2129303
Bromoform	ND		1.00	1	09/09/2023 16:52	WG2129303
Bromomethane	ND		5.00	1	09/09/2023 16:52	WG2129303
n-Butylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
sec-Butylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
tert-Butylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Carbon tetrachloride	ND		1.00	1	09/09/2023 16:52	WG2129303
Carbon disulfide	ND		1.00	1	09/09/2023 16:52	WG2129303
Chlorobenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Chlorodibromomethane	ND		1.00	1	09/09/2023 16:52	WG2129303
Chloroethane	ND		5.00	1	09/09/2023 16:52	WG2129303
Chloroform	ND		5.00	1	09/09/2023 16:52	WG2129303
Chloromethane	ND		2.50	1	09/09/2023 16:52	WG2129303
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/09/2023 16:52	WG2129303
1,2-Dibromoethane	ND		1.00	1	09/09/2023 16:52	WG2129303
Dibromomethane	ND		1.00	1	09/09/2023 16:52	WG2129303
1,2-Dichlorobenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
1,3-Dichlorobenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
1,4-Dichlorobenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
trans-1,4-Dichloro-2-butene	ND		2.50	1	09/09/2023 16:52	WG2129303
Dichlorodifluoromethane	ND		5.00	1	09/09/2023 16:52	WG2129303
1,1-Dichloroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
1,2-Dichloroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
1,1-Dichloroethene	ND		1.00	1	09/09/2023 16:52	WG2129303
cis-1,2-Dichloroethene	ND		1.00	1	09/09/2023 16:52	WG2129303
trans-1,2-Dichloroethene	ND		1.00	1	09/09/2023 16:52	WG2129303
1,2-Dichloropropane	ND		1.00	1	09/09/2023 16:52	WG2129303
cis-1,3-Dichloropropene	ND		1.00	1	09/14/2023 02:33	WG2131591
trans-1,3-Dichloropropene	ND	J4	1.00	1	09/14/2023 02:33	WG2131591
Ethylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Hexachloro-1,3-butadiene	ND		1.00	1	09/09/2023 16:52	WG2129303
2-Hexanone	ND		10.0	1	09/09/2023 16:52	WG2129303
2-Butanone (MEK)	ND		10.0	1	09/09/2023 16:52	WG2129303
Iodomethane	ND		10.0	1	09/09/2023 16:52	WG2129303
Methylene Chloride	ND		5.00	1	09/09/2023 16:52	WG2129303
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/09/2023 16:52	WG2129303
Naphthalene	ND		5.00	1	09/09/2023 16:52	WG2129303
n-Propylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Styrene	ND		1.00	1	09/09/2023 16:52	WG2129303
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
Tetrachloroethene	ND		1.00	1	09/09/2023 16:52	WG2129303
Toluene	ND		1.00	1	09/09/2023 16:52	WG2129303
1,2,4-Trichlorobenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
1,1,1-Trichloroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
1,1,2-Trichloroethane	ND		1.00	1	09/09/2023 16:52	WG2129303
Trichloroethene	ND		1.00	1	09/09/2023 16:52	WG2129303
Trichlorofluoromethane	ND		5.00	1	09/09/2023 16:52	WG2129303
1,2,3-Trichloropropane	ND		2.50	1	09/09/2023 16:52	WG2129303
1,2,4-Trimethylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	09/09/2023 16:52	WG2129303
Vinyl acetate	ND		10.0	1	09/09/2023 16:52	WG2129303
Vinyl chloride	ND		1.00	1	09/09/2023 16:52	WG2129303
Xylenes, Total	ND		3.00	1	09/09/2023 16:52	WG2129303
Di-isopropyl ether	ND		1.00	1	09/09/2023 16:52	WG2129303
Ethanol	ND		100	1	09/09/2023 16:52	WG2129303
Ethyl tert-butyl ether	ND		1.00	1	09/09/2023 16:52	WG2129303
Methyl tert-butyl ether	ND		1.00	1	09/09/2023 16:52	WG2129303
tert-Butyl alcohol	ND		5.00	1	09/09/2023 16:52	WG2129303
tert-Amyl Methyl Ether	ND		1.00	1	09/09/2023 16:52	WG2129303
(S) Toluene-d8	*118*		*80.0-120*		*09/09/2023 16:52*	WG2129303
(S) Toluene-d8	*114*		*80.0-120*		*09/14/2023 02:33*	WG2131591
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*09/09/2023 16:52*	WG2129303
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*09/14/2023 02:33*	WG2131591
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*09/09/2023 16:52*	WG2129303
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*09/14/2023 02:33*	WG2131591

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	09/12/2023 12:21	WG2130398
(S) a,a,a-Trifluorotoluene(FID)	*92.9*		*78.0-120*		*09/12/2023 12:21*	WG2130398

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/09/2023 17:14	WG2129303
Acrylonitrile	ND		10.0	1	09/09/2023 17:14	WG2129303
Benzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Bromobenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Bromochloromethane	ND		1.00	1	09/09/2023 17:14	WG2129303
Bromodichloromethane	ND		1.00	1	09/09/2023 17:14	WG2129303
Bromoform	ND		1.00	1	09/09/2023 17:14	WG2129303
Bromomethane	ND		5.00	1	09/09/2023 17:14	WG2129303
n-Butylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
sec-Butylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
tert-Butylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Carbon tetrachloride	ND		1.00	1	09/09/2023 17:14	WG2129303
Carbon disulfide	ND		1.00	1	09/09/2023 17:14	WG2129303
Chlorobenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Chlorodibromomethane	ND		1.00	1	09/09/2023 17:14	WG2129303
Chloroethane	ND		5.00	1	09/09/2023 17:14	WG2129303
Chloroform	ND		5.00	1	09/09/2023 17:14	WG2129303
Chloromethane	ND		2.50	1	09/09/2023 17:14	WG2129303
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/09/2023 17:14	WG2129303
1,2-Dibromoethane	ND		1.00	1	09/09/2023 17:14	WG2129303
Dibromomethane	ND		1.00	1	09/09/2023 17:14	WG2129303
1,2-Dichlorobenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
1,3-Dichlorobenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
1,4-Dichlorobenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
trans-1,4-Dichloro-2-butene	ND		2.50	1	09/09/2023 17:14	WG2129303
Dichlorodifluoromethane	ND		5.00	1	09/09/2023 17:14	WG2129303
1,1-Dichloroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
1,2-Dichloroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
1,1-Dichloroethene	ND		1.00	1	09/09/2023 17:14	WG2129303
cis-1,2-Dichloroethene	ND		1.00	1	09/09/2023 17:14	WG2129303
trans-1,2-Dichloroethene	ND		1.00	1	09/09/2023 17:14	WG2129303
1,2-Dichloropropane	ND		1.00	1	09/09/2023 17:14	WG2129303
cis-1,3-Dichloropropene	ND		1.00	1	09/14/2023 02:54	WG2131591
trans-1,3-Dichloropropene	ND	J4	1.00	1	09/14/2023 02:54	WG2131591
Ethylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Hexachloro-1,3-butadiene	ND		1.00	1	09/09/2023 17:14	WG2129303
2-Hexanone	ND		10.0	1	09/09/2023 17:14	WG2129303
2-Butanone (MEK)	ND		10.0	1	09/09/2023 17:14	WG2129303
Iodomethane	ND		10.0	1	09/09/2023 17:14	WG2129303
Methylene Chloride	ND		5.00	1	09/09/2023 17:14	WG2129303
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/09/2023 17:14	WG2129303
Naphthalene	ND		5.00	1	09/09/2023 17:14	WG2129303
n-Propylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Styrene	ND		1.00	1	09/09/2023 17:14	WG2129303
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
Tetrachloroethene	ND		1.00	1	09/09/2023 17:14	WG2129303
Toluene	ND		1.00	1	09/09/2023 17:14	WG2129303

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
1,1,1-Trichloroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
1,1,2-Trichloroethane	ND		1.00	1	09/09/2023 17:14	WG2129303
Trichloroethene	ND		1.00	1	09/09/2023 17:14	WG2129303
Trichlorofluoromethane	ND		5.00	1	09/09/2023 17:14	WG2129303
1,2,3-Trichloropropane	ND		2.50	1	09/09/2023 17:14	WG2129303
1,2,4-Trimethylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
1,3,5-Trimethylbenzene	ND		1.00	1	09/09/2023 17:14	WG2129303
Vinyl acetate	ND		10.0	1	09/09/2023 17:14	WG2129303
Vinyl chloride	ND		1.00	1	09/09/2023 17:14	WG2129303
Xylenes, Total	ND		3.00	1	09/09/2023 17:14	WG2129303
Di-isopropyl ether	25.6		1.00	1	09/09/2023 17:14	WG2129303
Ethanol	ND		100	1	09/09/2023 17:14	WG2129303
Ethyl tert-butyl ether	ND		1.00	1	09/09/2023 17:14	WG2129303
Methyl tert-butyl ether	26.0		1.00	1	09/09/2023 17:14	WG2129303
tert-Butyl alcohol	ND		5.00	1	09/09/2023 17:14	WG2129303
tert-Amyl Methyl Ether	1.99		1.00	1	09/09/2023 17:14	WG2129303
(S) Toluene-d8	*117*		*80.0-120*		*09/09/2023 17:14*	WG2129303
(S) Toluene-d8	*114*		*80.0-120*		*09/14/2023 02:54*	WG2131591
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*09/09/2023 17:14*	WG2129303
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*09/14/2023 02:54*	WG2131591
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*09/09/2023 17:14*	WG2129303
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*09/14/2023 02:54*	WG2131591

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		100	1	09/13/2023 14:36	WG2131193
(S) o-Terphenyl	*90.0*		*31.0-160*		*09/13/2023 14:36*	WG2131193

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	09/12/2023 12:44	WG2130398
(S) a,a,a-Trifluorotoluene(FID)	*94.2*		*78.0-120*		*09/12/2023 12:44*	WG2130398

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/09/2023 17:36	WG2129303
Acrylonitrile	ND		10.0	1	09/09/2023 17:36	WG2129303
Benzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Bromobenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Bromochloromethane	ND		1.00	1	09/09/2023 17:36	WG2129303
Bromodichloromethane	ND		1.00	1	09/09/2023 17:36	WG2129303
Bromoform	ND		1.00	1	09/09/2023 17:36	WG2129303
Bromomethane	ND		5.00	1	09/09/2023 17:36	WG2129303
n-Butylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
sec-Butylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
tert-Butylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Carbon tetrachloride	ND		1.00	1	09/09/2023 17:36	WG2129303
Carbon disulfide	ND		1.00	1	09/09/2023 17:36	WG2129303
Chlorobenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Chlorodibromomethane	ND		1.00	1	09/09/2023 17:36	WG2129303
Chloroethane	ND		5.00	1	09/09/2023 17:36	WG2129303
Chloroform	ND		5.00	1	09/09/2023 17:36	WG2129303
Chloromethane	ND		2.50	1	09/09/2023 17:36	WG2129303
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/09/2023 17:36	WG2129303
1,2-Dibromoethane	ND		1.00	1	09/09/2023 17:36	WG2129303
Dibromomethane	ND		1.00	1	09/09/2023 17:36	WG2129303
1,2-Dichlorobenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
1,3-Dichlorobenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
1,4-Dichlorobenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
trans-1,4-Dichloro-2-butene	ND		2.50	1	09/09/2023 17:36	WG2129303
Dichlorodifluoromethane	ND		5.00	1	09/09/2023 17:36	WG2129303
1,1-Dichloroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
1,2-Dichloroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
1,1-Dichloroethene	ND		1.00	1	09/09/2023 17:36	WG2129303
cis-1,2-Dichloroethene	ND		1.00	1	09/09/2023 17:36	WG2129303
trans-1,2-Dichloroethene	ND		1.00	1	09/09/2023 17:36	WG2129303
1,2-Dichloropropane	ND		1.00	1	09/09/2023 17:36	WG2129303
cis-1,3-Dichloropropene	ND		1.00	1	09/14/2023 03:16	WG2131591
trans-1,3-Dichloropropene	ND	J4	1.00	1	09/14/2023 03:16	WG2131591
Ethylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Hexachloro-1,3-butadiene	ND		1.00	1	09/09/2023 17:36	WG2129303
2-Hexanone	ND		10.0	1	09/09/2023 17:36	WG2129303
2-Butanone (MEK)	ND		10.0	1	09/09/2023 17:36	WG2129303
Iodomethane	ND		10.0	1	09/09/2023 17:36	WG2129303
Methylene Chloride	ND		5.00	1	09/09/2023 17:36	WG2129303
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/09/2023 17:36	WG2129303
Naphthalene	ND		5.00	1	09/09/2023 17:36	WG2129303
n-Propylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Styrene	ND		1.00	1	09/09/2023 17:36	WG2129303
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
Tetrachloroethene	ND		1.00	1	09/09/2023 17:36	WG2129303
Toluene	ND		1.00	1	09/09/2023 17:36	WG2129303

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
1,1,1-Trichloroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
1,1,2-Trichloroethane	ND		1.00	1	09/09/2023 17:36	WG2129303
Trichloroethene	ND		1.00	1	09/09/2023 17:36	WG2129303
Trichlorofluoromethane	ND		5.00	1	09/09/2023 17:36	WG2129303
1,2,3-Trichloropropane	ND		2.50	1	09/09/2023 17:36	WG2129303
1,2,4-Trimethylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
1,3,5-Trimethylbenzene	ND		1.00	1	09/09/2023 17:36	WG2129303
Vinyl acetate	ND		10.0	1	09/09/2023 17:36	WG2129303
Vinyl chloride	ND		1.00	1	09/09/2023 17:36	WG2129303
Xylenes, Total	ND		3.00	1	09/09/2023 17:36	WG2129303
Di-isopropyl ether	ND		1.00	1	09/09/2023 17:36	WG2129303
Ethanol	ND		100	1	09/09/2023 17:36	WG2129303
Ethyl tert-butyl ether	ND		1.00	1	09/09/2023 17:36	WG2129303
Methyl tert-butyl ether	ND		1.00	1	09/09/2023 17:36	WG2129303
tert-Butyl alcohol	ND		5.00	1	09/09/2023 17:36	WG2129303
tert-Amyl Methyl Ether	ND		1.00	1	09/09/2023 17:36	WG2129303
(S) Toluene-d8	*117*		*80.0-120*		*09/09/2023 17:36*	WG2129303
(S) Toluene-d8	*111*		*80.0-120*		*09/14/2023 03:16*	WG2131591
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*09/09/2023 17:36*	WG2129303
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*09/14/2023 03:16*	WG2131591
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*09/09/2023 17:36*	WG2129303
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*09/14/2023 03:16*	WG2131591

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		100	1	09/13/2023 14:56	WG2131193
(S) o-Terphenyl	*97.9*		*31.0-160*		*09/13/2023 14:56*	WG2131193

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	09/12/2023 13:07	WG2130398
(S) a,a,a-Trifluorotoluene(FID)	*91.1*		*78.0-120*		*09/12/2023 13:07*	WG2130398

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/10/2023 21:28	WG2129731
Acrylonitrile	ND		10.0	1	09/10/2023 21:28	WG2129731
Benzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Bromobenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Bromochloromethane	ND	J4	1.00	1	09/10/2023 21:28	WG2129731
Bromodichloromethane	ND		1.00	1	09/10/2023 21:28	WG2129731
Bromoform	ND		1.00	1	09/10/2023 21:28	WG2129731
Bromomethane	ND		5.00	1	09/10/2023 21:28	WG2129731
n-Butylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
sec-Butylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
tert-Butylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Carbon tetrachloride	ND		1.00	1	09/10/2023 21:28	WG2129731
Carbon disulfide	ND		1.00	1	09/10/2023 21:28	WG2129731
Chlorobenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Chlorodibromomethane	ND		1.00	1	09/10/2023 21:28	WG2129731
Chloroethane	ND		5.00	1	09/10/2023 21:28	WG2129731
Chloroform	ND		5.00	1	09/10/2023 21:28	WG2129731
Chloromethane	ND		2.50	1	09/10/2023 21:28	WG2129731
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/10/2023 21:28	WG2129731
1,2-Dibromoethane	ND		1.00	1	09/10/2023 21:28	WG2129731
Dibromomethane	ND		1.00	1	09/10/2023 21:28	WG2129731
1,2-Dichlorobenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
1,3-Dichlorobenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
1,4-Dichlorobenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
trans-1,4-Dichloro-2-butene	ND		2.50	1	09/10/2023 21:28	WG2129731
Dichlorodifluoromethane	ND		5.00	1	09/10/2023 21:28	WG2129731
1,1-Dichloroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
1,2-Dichloroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
1,1-Dichloroethene	ND		1.00	1	09/10/2023 21:28	WG2129731
cis-1,2-Dichloroethene	ND		1.00	1	09/10/2023 21:28	WG2129731
trans-1,2-Dichloroethene	ND		1.00	1	09/10/2023 21:28	WG2129731
1,2-Dichloropropane	ND		1.00	1	09/10/2023 21:28	WG2129731
cis-1,3-Dichloropropene	ND		1.00	1	09/10/2023 21:28	WG2129731
trans-1,3-Dichloropropene	ND		1.00	1	09/10/2023 21:28	WG2129731
Ethylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Hexachloro-1,3-butadiene	ND		1.00	1	09/10/2023 21:28	WG2129731
2-Hexanone	ND		10.0	1	09/10/2023 21:28	WG2129731
2-Butanone (MEK)	ND		10.0	1	09/10/2023 21:28	WG2129731
Iodomethane	ND		10.0	1	09/10/2023 21:28	WG2129731
Methylene Chloride	ND		5.00	1	09/10/2023 21:28	WG2129731
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/10/2023 21:28	WG2129731
Naphthalene	ND		5.00	1	09/10/2023 21:28	WG2129731
n-Propylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Styrene	ND		1.00	1	09/10/2023 21:28	WG2129731
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
Tetrachloroethene	ND		1.00	1	09/10/2023 21:28	WG2129731
Toluene	ND		1.00	1	09/10/2023 21:28	WG2129731

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
1,1,1-Trichloroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
1,1,2-Trichloroethane	ND		1.00	1	09/10/2023 21:28	WG2129731
Trichloroethene	ND		1.00	1	09/10/2023 21:28	WG2129731
Trichlorofluoromethane	ND		5.00	1	09/10/2023 21:28	WG2129731
1,2,3-Trichloropropane	ND		2.50	1	09/10/2023 21:28	WG2129731
1,2,4-Trimethylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
1,3,5-Trimethylbenzene	ND		1.00	1	09/10/2023 21:28	WG2129731
Vinyl acetate	ND		10.0	1	09/10/2023 21:28	WG2129731
Vinyl chloride	ND		1.00	1	09/10/2023 21:28	WG2129731
Xylenes, Total	ND		3.00	1	09/10/2023 21:28	WG2129731
Di-isopropyl ether	1.09		1.00	1	09/10/2023 21:28	WG2129731
Ethanol	ND		100	1	09/10/2023 21:28	WG2129731
Ethyl tert-butyl ether	ND		1.00	1	09/10/2023 21:28	WG2129731
Methyl tert-butyl ether	ND		1.00	1	09/10/2023 21:28	WG2129731
tert-Butyl alcohol	ND		5.00	1	09/10/2023 21:28	WG2129731
tert-Amyl Methyl Ether	ND		1.00	1	09/10/2023 21:28	WG2129731
(S) Toluene-d8	*106*		*80.0-120*		*09/10/2023 21:28*	WG2129731
(S) 4-Bromofluorobenzene	*91.3*		*77.0-126*		*09/10/2023 21:28*	WG2129731
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*09/10/2023 21:28*	WG2129731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	179		100	1	09/13/2023 15:16	WG2131193
(S) o-Terphenyl	*102*		*31.0-160*		*09/13/2023 15:16*	WG2131193

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	09/12/2023 13:30	WG2130398
(S) a,a,a-Trifluorotoluene(FID)	*90.3*		*78.0-120*		*09/12/2023 13:30*	WG2130398

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/10/2023 21:49	WG2129731
Acrylonitrile	ND		10.0	1	09/10/2023 21:49	WG2129731
Benzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Bromobenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Bromochloromethane	ND	J4	1.00	1	09/10/2023 21:49	WG2129731
Bromodichloromethane	ND		1.00	1	09/10/2023 21:49	WG2129731
Bromoform	ND		1.00	1	09/10/2023 21:49	WG2129731
Bromomethane	ND		5.00	1	09/10/2023 21:49	WG2129731
n-Butylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
sec-Butylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
tert-Butylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Carbon tetrachloride	ND		1.00	1	09/10/2023 21:49	WG2129731
Carbon disulfide	ND		1.00	1	09/10/2023 21:49	WG2129731
Chlorobenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Chlorodibromomethane	ND		1.00	1	09/10/2023 21:49	WG2129731
Chloroethane	ND		5.00	1	09/10/2023 21:49	WG2129731
Chloroform	ND		5.00	1	09/10/2023 21:49	WG2129731
Chloromethane	ND		2.50	1	09/10/2023 21:49	WG2129731
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/10/2023 21:49	WG2129731
1,2-Dibromoethane	ND		1.00	1	09/10/2023 21:49	WG2129731
Dibromomethane	ND		1.00	1	09/10/2023 21:49	WG2129731
1,2-Dichlorobenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
1,3-Dichlorobenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
1,4-Dichlorobenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
trans-1,4-Dichloro-2-butene	ND		2.50	1	09/10/2023 21:49	WG2129731
Dichlorodifluoromethane	ND		5.00	1	09/10/2023 21:49	WG2129731
1,1-Dichloroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
1,2-Dichloroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
1,1-Dichloroethene	ND		1.00	1	09/10/2023 21:49	WG2129731
cis-1,2-Dichloroethene	ND		1.00	1	09/10/2023 21:49	WG2129731
trans-1,2-Dichloroethene	ND		1.00	1	09/10/2023 21:49	WG2129731
1,2-Dichloropropane	ND		1.00	1	09/10/2023 21:49	WG2129731
cis-1,3-Dichloropropene	ND		1.00	1	09/10/2023 21:49	WG2129731
trans-1,3-Dichloropropene	ND		1.00	1	09/10/2023 21:49	WG2129731
Ethylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Hexachloro-1,3-butadiene	ND		1.00	1	09/10/2023 21:49	WG2129731
2-Hexanone	ND		10.0	1	09/10/2023 21:49	WG2129731
2-Butanone (MEK)	ND		10.0	1	09/10/2023 21:49	WG2129731
Iodomethane	ND		10.0	1	09/10/2023 21:49	WG2129731
Methylene Chloride	ND		5.00	1	09/10/2023 21:49	WG2129731
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/10/2023 21:49	WG2129731
Naphthalene	ND		5.00	1	09/10/2023 21:49	WG2129731
n-Propylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Styrene	ND		1.00	1	09/10/2023 21:49	WG2129731
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
Tetrachloroethene	ND		1.00	1	09/10/2023 21:49	WG2129731
Toluene	ND		1.00	1	09/10/2023 21:49	WG2129731

Volatile Organic Compounds (GC/MS) by Method 524.2/8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
1,1,1-Trichloroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
1,1,2-Trichloroethane	ND		1.00	1	09/10/2023 21:49	WG2129731
Trichloroethene	ND		1.00	1	09/10/2023 21:49	WG2129731
Trichlorofluoromethane	ND		5.00	1	09/10/2023 21:49	WG2129731
1,2,3-Trichloropropane	ND		2.50	1	09/10/2023 21:49	WG2129731
1,2,4-Trimethylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
1,3,5-Trimethylbenzene	ND		1.00	1	09/10/2023 21:49	WG2129731
Vinyl acetate	ND		10.0	1	09/10/2023 21:49	WG2129731
Vinyl chloride	ND		1.00	1	09/10/2023 21:49	WG2129731
Xylenes, Total	ND		3.00	1	09/10/2023 21:49	WG2129731
Di-isopropyl ether	97.6		1.00	1	09/10/2023 21:49	WG2129731
Ethanol	ND		100	1	09/10/2023 21:49	WG2129731
Ethyl tert-butyl ether	ND		1.00	1	09/10/2023 21:49	WG2129731
Methyl tert-butyl ether	35.4		1.00	1	09/10/2023 21:49	WG2129731
tert-Butyl alcohol	ND		5.00	1	09/10/2023 21:49	WG2129731
tert-Amyl Methyl Ether	3.62		1.00	1	09/10/2023 21:49	WG2129731
(S) Toluene-d8	*109*		*80.0-120*		*09/10/2023 21:49*	WG2129731
(S) 4-Bromofluorobenzene	*91.8*		*77.0-126*		*09/10/2023 21:49*	WG2129731
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*09/10/2023 21:49*	WG2129731

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		100	1	09/13/2023 15:35	WG2131193
(S) o-Terphenyl	*101*		*31.0-160*		*09/13/2023 15:35*	WG2131193

Method Blank (MB)

(MB) R3973087-3 09/12/23 11:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH (GC/FID) Low Fraction	U		31.4	100
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3973087-1 09/12/23 10:48 • (LCSD) R3973087-2 09/12/23 11:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5500	4750	5180	86.4	94.2	72.0-127			8.66	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*105*	*78.0-120*				

Method Blank (MB)

(MB) R3973226-2 09/11/23 11:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0490	0.500
Carbon tetrachloride	U		0.0660	0.500
1,4-Dichlorobenzene	U		0.0310	0.500
1,2-Dichloroethane	U		0.0498	0.500
1,1-Dichloroethene	U		0.0540	0.500
1,1,1-Trichloroethane	U		0.0490	0.500
Trichloroethene	U		0.0440	0.500
Vinyl chloride	U		0.0260	0.500
1,2,4-Trichlorobenzene	U		0.0530	0.500
cis-1,2-Dichloroethene	U		0.0640	0.500
Xylenes, Total	U		0.167	0.500
Methylene chloride	0.109	J	0.0608	0.500
1,2-Dichlorobenzene	U		0.0410	0.500
trans-1,2-Dichloroethene	U		0.100	0.500
1,2-Dichloropropane	U		0.0270	0.500
1,1,2-Trichloroethane	U		0.0701	0.500
Tetrachloroethene	U		0.0790	0.500
Chlorobenzene	U		0.0370	0.500
Toluene	U		0.412	1.00
Ethylbenzene	U		0.0440	0.500
Styrene	U		0.0360	0.500
Bromobenzene	U		0.0490	0.500
Bromodichloromethane	U		0.0810	0.500
Bromoform	U		0.0800	0.500
Bromomethane	U		0.0790	1.00
Chlorodibromomethane	U		0.0930	0.500
Chloroethane	U		0.190	0.500
Chloroform	U		0.0800	0.500
Chloromethane	0.0480	J	0.0290	0.500
2-Chlorotoluene	U		0.0480	0.500
4-Chlorotoluene	U		0.0550	0.500
Dibromomethane	U		0.0700	0.500
Methyl tert-butyl ether	U		0.0530	0.500
1,3-Dichlorobenzene	U		0.0360	0.500
1,1-Dichloroethane	U		0.0240	0.500
1,3-Dichloropropane	U		0.0230	0.500
1,1-Dichloropropene	U		0.0450	0.500
1,3-Dichloropropene	U		0.320	0.500
1,1,1,2-Tetrachloroethane	U		0.0700	0.500
1,1,2,2-Tetrachloroethane	U		0.0790	0.500

Method Blank (MB)

(MB) R3973226-2 09/11/23 11:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	U		0.0720	0.500
Di-isopropyl ether	U		0.105	1.00
tert-Butyl alcohol	U		4.06	5.00
(S) 4-Bromofluorobenzene	*94.1*			*70.0-130*
(S) 1,2-Dichlorobenzene-d4	*95.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3973226-1 09/11/23 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.98	99.6	70.0-130	
Carbon tetrachloride	5.00	4.92	98.4	70.0-130	
1,4-Dichlorobenzene	5.00	5.23	105	70.0-130	
1,2-Dichloroethane	5.00	5.24	105	70.0-130	
1,1-Dichloroethene	5.00	5.04	101	70.0-130	
1,1,1-Trichloroethane	5.00	5.26	105	70.0-130	
Trichloroethene	5.00	5.13	103	70.0-130	
Vinyl chloride	5.00	5.26	105	70.0-130	
1,2,4-Trichlorobenzene	5.00	5.16	103	70.0-130	
cis-1,2-Dichloroethene	5.00	5.13	103	70.0-130	
Xylenes, Total	15.0	15.7	105	70.0-130	
Methylene chloride	5.00	5.46	109	70.0-130	
1,2-Dichlorobenzene	5.00	5.14	103	70.0-130	
trans-1,2-Dichloroethene	5.00	5.11	102	70.0-130	
1,2-Dichloropropane	5.00	5.38	108	70.0-130	
1,1,2-Trichloroethane	5.00	5.34	107	70.0-130	
Tetrachloroethene	5.00	5.16	103	70.0-130	
Chlorobenzene	5.00	5.09	102	70.0-130	
Toluene	5.00	5.21	104	70.0-130	
Ethylbenzene	5.00	5.27	105	70.0-130	
Styrene	5.00	4.97	99.4	70.0-130	
Bromobenzene	5.00	5.14	103	70.0-130	
Bromodichloromethane	5.00	5.19	104	70.0-130	
Bromoform	5.00	5.12	102	70.0-130	
Bromomethane	5.00	6.38	128	70.0-130	
Chlorodibromomethane	5.00	5.30	106	70.0-130	
Chloroethane	5.00	5.23	105	70.0-130	
Chloroform	5.00	5.34	107	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3973226-1 09/11/23 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloromethane	5.00	5.51	110	70.0-130	
2-Chlorotoluene	5.00	5.35	107	70.0-130	
4-Chlorotoluene	5.00	5.42	108	70.0-130	
Dibromomethane	5.00	5.09	102	70.0-130	
Methyl tert-butyl ether	5.00	5.13	103	70.0-130	
1,3-Dichlorobenzene	5.00	5.17	103	70.0-130	
1,1-Dichloroethane	5.00	5.24	105	70.0-130	
1,3-Dichloropropane	5.00	5.44	109	70.0-130	
1,1-Dichloropropene	5.00	5.13	103	70.0-130	
1,3-Dichloropropene	10.0	11.0	110	70.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.26	105	70.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.18	104	70.0-130	
1,2,3-Trichloropropane	5.00	4.58	91.6	70.0-130	
Di-isopropyl ether	5.00	5.37	107	70.0-130	
tert-Butyl alcohol	25.0	20.1	80.4	70.0-130	
(S) 4-Bromofluorobenzene			*102*	*70.0-130*	
(S) 1,2-Dichlorobenzene-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3973976-2 09/15/23 11:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2,2-Dichloropropane	U		0.0680	0.500
(S) 4-Bromofluorobenzene	*88.7*			*70.0-130*
(S) 1,2-Dichlorobenzene-d4	*92.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3973976-1 09/15/23 10:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Dichloropropane	5.00	5.77	115	70.0-130	
(S) 4-Bromofluorobenzene			*97.2*	*70.0-130*	
(S) 1,2-Dichlorobenzene-d4			*106*	*70.0-130*	

L1655603-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1655603-01 09/15/23 16:34 • (MS) R3973976-3 09/15/23 20:03 • (MSD) R3973976-4 09/15/23 20:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	5.00	ND	4.77	6.50	95.4	130	1	70.0-130		J3	30.7	20
(S) 4-Bromofluorobenzene					*99.1*	*97.6*		*70.0-130*				
(S) 1,2-Dichlorobenzene-d4					*97.9*	*100*		*70.0-130*				

Method Blank (MB)

(MB) R3972530-3 09/09/23 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	10.0
2-Butanone (MEK)	U		1.19	10.0
Iodomethane	U		6.00	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Naphthalene	U		1.00	5.00

Method Blank (MB)

(MB) R3972530-3 09/09/23 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
Di-isopropyl ether	U		0.105	1.00
Ethanol	U		42.0	100
Ethyl tert-butyl ether	U		0.101	1.00
Methyl tert-butyl ether	U		0.101	1.00
tert-Butyl alcohol	U		4.06	5.00
tert-Amyl Methyl Ether	U		0.195	1.00
(S) Toluene-d8	*116*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3972530-1 09/09/23 09:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	17.4	69.6	19.0-160	
Acrylonitrile	25.0	15.5	62.0	55.0-149	
Benzene	5.00	4.14	82.8	70.0-123	
Bromobenzene	5.00	3.95	79.0	73.0-121	
Bromochloromethane	5.00	4.99	99.8	76.0-122	
Bromodichloromethane	5.00	3.97	79.4	75.0-120	

Laboratory Control Sample (LCS)

(LCS) R3972530-1 09/09/23 09:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	5.00	3.42	68.4	68.0-132	
Bromomethane	5.00	4.49	89.8	10.0-160	
n-Butylbenzene	5.00	3.86	77.2	73.0-125	
sec-Butylbenzene	5.00	4.26	85.2	75.0-125	
tert-Butylbenzene	5.00	4.01	80.2	76.0-124	
Carbon tetrachloride	5.00	4.42	88.4	68.0-126	
Carbon disulfide	5.00	3.95	79.0	61.0-128	
Chlorobenzene	5.00	4.68	93.6	80.0-121	
Chlorodibromomethane	5.00	4.22	84.4	77.0-125	
Chloroethane	5.00	5.37	107	47.0-150	
Chloroform	5.00	4.52	90.4	73.0-120	
Chloromethane	5.00	3.34	66.8	41.0-142	
1,2-Dibromo-3-Chloropropane	5.00	3.65	73.0	58.0-134	
1,2-Dibromoethane	5.00	4.27	85.4	80.0-122	
Dibromomethane	5.00	4.83	96.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.17	83.4	79.0-121	
1,3-Dichlorobenzene	5.00	4.40	88.0	79.0-120	
1,4-Dichlorobenzene	5.00	4.32	86.4	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	2.38	47.6	33.0-144	
Dichlorodifluoromethane	5.00	3.98	79.6	51.0-149	
1,1-Dichloroethane	5.00	4.13	82.6	70.0-126	
1,2-Dichloroethane	5.00	4.78	95.6	70.0-128	
1,1-Dichloroethene	5.00	4.24	84.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.51	90.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.32	86.4	73.0-120	
1,2-Dichloropropane	5.00	4.14	82.8	77.0-125	
Ethylbenzene	5.00	4.23	84.6	79.0-123	
Hexachloro-1,3-butadiene	5.00	3.33	66.6	54.0-138	
2-Hexanone	25.0	20.9	83.6	67.0-149	
2-Butanone (MEK)	25.0	20.9	83.6	44.0-160	
Iodomethane	25.0	23.1	92.4	33.0-147	
Methylene Chloride	5.00	4.35	87.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	17.6	70.4	68.0-142	
Naphthalene	5.00	4.68	93.6	54.0-135	
n-Propylbenzene	5.00	4.30	86.0	77.0-124	
Styrene	5.00	4.34	86.8	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.44	88.8	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.07	81.4	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.47	89.4	69.0-132	
Tetrachloroethene	5.00	4.18	83.6	72.0-132	

Laboratory Control Sample (LCS)

(LCS) R3972530-1 09/09/23 09:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Toluene	5.00	4.70	94.0	79.0-120	
1,2,4-Trichlorobenzene	5.00	4.04	80.8	57.0-137	
1,1,1-Trichloroethane	5.00	4.45	89.0	73.0-124	
1,1,2-Trichloroethane	5.00	4.48	89.6	80.0-120	
Trichloroethene	5.00	4.45	89.0	78.0-124	
Trichlorofluoromethane	5.00	5.35	107	59.0-147	
1,2,3-Trichloropropane	5.00	4.60	92.0	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.12	82.4	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.19	83.8	76.0-122	
Vinyl acetate	25.0	7.14	28.6	11.0-160	
Vinyl chloride	5.00	4.35	87.0	67.0-131	
Xylenes, Total	15.0	13.3	88.7	79.0-123	
Di-isopropyl ether	5.00	2.96	59.2	58.0-138	
Ethanol	250	157	62.8	10.0-160	
Ethyl tert-butyl ether	5.00	3.92	78.4	63.0-138	
Methyl tert-butyl ether	5.00	4.09	81.8	68.0-125	
tert-Butyl alcohol	25.0	21.3	85.2	27.0-160	
tert-Amyl Methyl Ether	5.00	4.01	80.2	66.0-125	
(S) Toluene-d8			*113*	*80.0-120*	
(S) 4-Bromofluorobenzene			*100*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

L1653505-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1653505-01 09/09/23 13:58 • (MS) R3972530-4 09/09/23 19:24 • (MSD) R3972530-5 09/09/23 19:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	ND	ND	ND	71.2	73.2	1	10.0-160			2.77	35
Acrylonitrile	25.0	ND	15.8	12.7	63.2	50.8	1	21.0-160			21.8	32
Benzene	5.00	ND	4.57	3.19	91.4	63.8	1	17.0-158		J3	35.6	27
Bromobenzene	5.00	ND	4.36	3.37	87.2	67.4	1	30.0-149			25.6	28
Bromochloromethane	5.00	ND	4.85	4.02	97.0	80.4	1	38.0-142			18.7	26
Bromodichloromethane	5.00	ND	4.32	3.49	86.4	69.8	1	31.0-150			21.3	27
Bromoform	5.00	ND	3.70	3.33	74.0	66.6	1	29.0-150			10.5	29
Bromomethane	5.00	ND	ND	ND	81.6	71.8	1	10.0-160			12.8	38
n-Butylbenzene	5.00	ND	4.22	3.36	84.4	67.2	1	31.0-150			22.7	30
sec-Butylbenzene	5.00	ND	4.54	3.28	90.8	65.6	1	33.0-155		J3	32.2	29
tert-Butylbenzene	5.00	ND	4.34	3.18	86.8	63.6	1	34.0-153		J3	30.9	28
Carbon tetrachloride	5.00	ND	4.88	3.03	97.6	60.6	1	23.0-159		J3	46.8	28

L1653505-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1653505-01 09/09/23 13:58 • (MS) R3972530-4 09/09/23 19:24 • (MSD) R3972530-5 09/09/23 19:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	ND	3.33	2.19	63.7	40.9	1	10.0-156		J3	41.3	28
Chlorobenzene	5.00	ND	4.69	3.87	93.8	77.4	1	33.0-152			19.2	27
Chlorodibromomethane	5.00	ND	4.25	3.90	85.0	78.0	1	37.0-149			8.59	27
Chloroethane	5.00	ND	ND	ND	99.4	77.4	1	10.0-160			24.9	30
Chloroform	5.00	ND	ND	ND	87.4	69.4	1	29.0-154			23.0	28
Chloromethane	5.00	ND	2.54	ND	50.8	34.4	1	10.0-160		J3	38.5	29
1,2-Dibromo-3-Chloropropane	5.00	ND	ND	ND	77.4	69.8	1	22.0-151			10.3	34
1,2-Dibromoethane	5.00	ND	3.69	3.61	73.8	72.2	1	34.0-147			2.19	27
Dibromomethane	5.00	ND	4.65	4.36	93.0	87.2	1	30.0-151			6.44	27
1,2-Dichlorobenzene	5.00	ND	4.01	3.56	80.2	71.2	1	34.0-149			11.9	28
1,3-Dichlorobenzene	5.00	ND	4.35	3.56	87.0	71.2	1	36.0-146			20.0	27
1,4-Dichlorobenzene	5.00	ND	4.32	3.68	86.4	73.6	1	35.0-142			16.0	27
trans-1,4-Dichloro-2-butene	5.00	ND	ND	ND	44.0	45.2	1	10.0-157			2.69	37
Dichlorodifluoromethane	5.00	ND	ND	ND	76.4	48.4	1	10.0-160		J3	44.9	29
1,1-Dichloroethane	5.00	ND	4.32	3.20	86.4	64.0	1	25.0-158		J3	29.8	27
1,2-Dichloroethane	5.00	ND	4.92	4.17	98.4	83.4	1	29.0-151			16.5	27
1,1-Dichloroethene	5.00	ND	4.23	2.83	84.6	56.6	1	11.0-160		J3	39.7	29
cis-1,2-Dichloroethene	5.00	ND	4.52	3.50	90.4	70.0	1	10.0-160			25.4	27
trans-1,2-Dichloroethene	5.00	ND	4.20	2.96	84.0	59.2	1	17.0-153		J3	34.6	27
1,2-Dichloropropane	5.00	ND	3.99	3.48	79.8	69.6	1	30.0-156			13.7	27
Ethylbenzene	5.00	ND	4.64	3.40	92.8	68.0	1	30.0-155		J3	30.8	27
Hexachloro-1,3-butadiene	5.00	ND	3.49	2.88	69.8	57.6	1	20.0-154			19.2	34
2-Hexanone	25.0	ND	20.7	19.5	82.8	78.0	1	21.0-160			5.97	29
2-Butanone (MEK)	25.0	ND	15.7	19.1	62.8	76.4	1	10.0-160			19.5	32
Iodomethane	25.0	ND	16.7	14.2	66.8	56.8	1	10.0-160			16.2	40
Methylene Chloride	5.00	ND	ND	ND	78.4	64.8	1	23.0-144			19.0	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	17.3	17.2	69.2	68.8	1	29.0-160			0.580	29
Naphthalene	5.00	ND	ND	ND	94.8	89.0	1	12.0-156			6.31	35
n-Propylbenzene	5.00	ND	4.71	3.23	94.2	64.6	1	31.0-154		J3	37.3	28
Styrene	5.00	ND	3.79	3.49	75.8	69.8	1	33.0-155			8.24	28
1,1,1,2-Tetrachloroethane	5.00	ND	4.49	3.63	89.8	72.6	1	36.0-151			21.2	29
1,1,2,2-Tetrachloroethane	5.00	ND	4.49	4.23	89.8	84.6	1	33.0-150			5.96	28
1,1,2-Trichlorotrifluoroethane	5.00	ND	5.07	3.22	101	64.4	1	23.0-160		J3	44.6	30
Tetrachloroethene	5.00	ND	4.34	3.04	86.8	60.8	1	10.0-160		J3	35.2	27
Toluene	5.00	ND	4.63	3.55	92.6	71.0	1	26.0-154			26.4	28
1,2,4-Trichlorobenzene	5.00	ND	4.12	3.44	82.4	68.8	1	24.0-150			18.0	33
1,1,1-Trichloroethane	5.00	ND	4.58	3.23	91.6	64.6	1	23.0-160		J3	34.6	28
1,1,2-Trichloroethane	5.00	ND	4.47	4.36	89.4	87.2	1	35.0-147			2.49	27
Trichloroethene	5.00	ND	4.34	3.03	86.8	60.6	1	10.0-160		J3	35.5	25
Trichlorofluoromethane	5.00	ND	5.75	ND	115	70.4	1	17.0-160		J3	48.1	31

L1653505-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1653505-01 09/09/23 13:58 • (MS) R3972530-4 09/09/23 19:24 • (MSD) R3972530-5 09/09/23 19:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,3-Trichloropropane	5.00	ND	4.76	4.59	95.2	91.8	1	34.0-151			3.64	29
1,2,4-Trimethylbenzene	5.00	ND	4.41	3.34	88.2	66.8	1	26.0-154		J3	27.6	27
1,3,5-Trimethylbenzene	5.00	ND	4.47	3.08	89.4	61.6	1	28.0-153		J3	36.8	27
Vinyl acetate	25.0	ND	18.8	18.0	75.2	72.0	1	12.0-160			4.35	31
Vinyl chloride	5.00	ND	4.03	2.69	80.6	53.8	1	10.0-160		J3	39.9	27
Xylenes, Total	15.0	ND	13.5	10.6	90.0	70.7	1	29.0-154			24.1	28
Di-isopropyl ether	5.00	ND	3.12	2.56	62.4	51.2	1	21.0-160			19.7	28
Ethanol	250	ND	169	164	67.6	65.6	1	50.0-150			3.00	20
Ethyl tert-butyl ether	5.00	ND	4.12	3.53	82.4	70.6	1	10.0-160			15.4	37
Methyl tert-butyl ether	5.00	ND	4.19	3.94	83.8	78.8	1	28.0-150			6.15	29
tert-Butyl alcohol	25.0	ND	21.8	21.7	87.2	86.8	1	50.0-150			0.460	20
tert-Amyl Methyl Ether	5.00	ND	4.07	3.56	81.4	71.2	1	10.0-160			13.4	37
(S) Toluene-d8					*110*	*115*		*80.0-120*				
(S) 4-Bromofluorobenzene					*101*	*102*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*111*	*108*		*70.0-130*				

Method Blank (MB)

(MB) R3972721-3 09/10/23 20:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	10.0
2-Butanone (MEK)	U		1.19	10.0
Iodomethane	U		6.00	10.0
Methylene Chloride	U		0.430	5.00

Method Blank (MB)

(MB) R3972721-3 09/10/23 20:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
Di-isopropyl ether	U		0.105	1.00
Ethanol	U		42.0	100
Ethyl tert-butyl ether	U		0.101	1.00
Methyl tert-butyl ether	U		0.101	1.00
tert-Butyl alcohol	U		4.06	5.00
tert-Amyl Methyl Ether	U		0.195	1.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*89.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3972721-1 09/10/23 19:11 • (LCSD) R3972721-2 09/10/23 19:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	26.0	25.9	104	104	19.0-160			0.385	27
Acrylonitrile	25.0	23.7	24.4	94.8	97.6	55.0-149			2.91	20
Benzene	5.00	5.23	5.37	105	107	70.0-123			2.64	20
Bromobenzene	5.00	4.96	5.09	99.2	102	73.0-121			2.59	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3972721-1 09/10/23 19:11 • (LCSD) R3972721-2 09/10/23 19:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	5.00	6.49	6.18	130	124	76.0-122	J4	J4	4.89	20
Bromodichloromethane	5.00	5.57	5.88	111	118	75.0-120			5.41	20
Bromoform	5.00	5.36	5.47	107	109	68.0-132			2.03	20
Bromomethane	5.00	2.65	2.70	53.0	54.0	10.0-160			1.87	25
n-Butylbenzene	5.00	4.33	4.45	86.6	89.0	73.0-125			2.73	20
sec-Butylbenzene	5.00	4.62	4.72	92.4	94.4	75.0-125			2.14	20
tert-Butylbenzene	5.00	4.42	4.54	88.4	90.8	76.0-124			2.68	20
Carbon tetrachloride	5.00	5.55	5.40	111	108	68.0-126			2.74	20
Carbon disulfide	5.00	4.99	5.10	99.8	102	61.0-128			2.18	20
Chlorobenzene	5.00	5.10	5.33	102	107	80.0-121			4.41	20
Chlorodibromomethane	5.00	5.14	5.47	103	109	77.0-125			6.22	20
Chloroethane	5.00	4.76	4.33	95.2	86.6	47.0-150			9.46	20
Chloroform	5.00	5.69	5.64	114	113	73.0-120			0.883	20
Chloromethane	5.00	4.49	4.41	89.8	88.2	41.0-142			1.80	20
1,2-Dibromo-3-Chloropropane	5.00	3.77	3.81	75.4	76.2	58.0-134			1.06	20
1,2-Dibromoethane	5.00	4.97	5.43	99.4	109	80.0-122			8.85	20
Dibromomethane	5.00	5.91	5.76	118	115	80.0-120			2.57	20
1,2-Dichlorobenzene	5.00	5.08	4.93	102	98.6	79.0-121			3.00	20
1,3-Dichlorobenzene	5.00	5.08	5.11	102	102	79.0-120			0.589	20
1,4-Dichlorobenzene	5.00	4.99	5.11	99.8	102	79.0-120			2.38	20
trans-1,4-Dichloro-2-butene	5.00	4.98	4.88	99.6	97.6	33.0-144			2.03	20
Dichlorodifluoromethane	5.00	5.21	5.13	104	103	51.0-149			1.55	20
1,1-Dichloroethane	5.00	5.25	5.09	105	102	70.0-126			3.09	20
1,2-Dichloroethane	5.00	5.93	5.94	119	119	70.0-128			0.168	20
1,1-Dichloroethene	5.00	4.84	5.18	96.8	104	71.0-124			6.79	20
cis-1,2-Dichloroethene	5.00	5.02	5.09	100	102	73.0-120			1.38	20
trans-1,2-Dichloroethene	5.00	5.08	5.08	102	102	73.0-120			0.000	20
1,2-Dichloropropane	5.00	5.29	5.09	106	102	77.0-125			3.85	20
cis-1,3-Dichloropropene	5.00	5.44	5.24	109	105	80.0-123			3.75	20
trans-1,3-Dichloropropene	5.00	5.26	5.55	105	111	78.0-124			5.37	20
Ethylbenzene	5.00	4.88	5.08	97.6	102	79.0-123			4.02	20
Hexachloro-1,3-butadiene	5.00	4.38	4.51	87.6	90.2	54.0-138			2.92	20
2-Hexanone	25.0	21.1	22.6	84.4	90.4	67.0-149			6.86	20
2-Butanone (MEK)	25.0	24.4	25.4	97.6	102	44.0-160			4.02	20
Iodomethane	25.0	14.3	18.2	57.2	72.8	33.0-147			24.0	26
Methylene Chloride	5.00	5.65	5.42	113	108	67.0-120			4.16	20
4-Methyl-2-pentanone (MIBK)	25.0	24.7	26.2	98.8	105	68.0-142			5.89	20
Naphthalene	5.00	3.01	3.19	60.2	63.8	54.0-135			5.81	20
n-Propylbenzene	5.00	4.55	4.77	91.0	95.4	77.0-124			4.72	20
Styrene	5.00	4.39	4.63	87.8	92.6	73.0-130			5.32	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3972721-1 09/10/23 19:11 • (LCSD) R3972721-2 09/10/23 19:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	5.31	5.56	106	111	75.0-125			4.60	20
1,1,2,2-Tetrachloroethane	5.00	4.88	5.07	97.6	101	65.0-130			3.82	20
1,1,2-Trichlorotrifluoroethane	5.00	5.42	5.67	108	113	69.0-132			4.51	20
Tetrachloroethene	5.00	5.32	5.81	106	116	72.0-132			8.81	20
Toluene	5.00	4.93	5.11	98.6	102	79.0-120			3.59	20
1,2,4-Trichlorobenzene	5.00	3.86	3.98	77.2	79.6	57.0-137			3.06	20
1,1,1-Trichloroethane	5.00	5.61	5.71	112	114	73.0-124			1.77	20
1,1,2-Trichloroethane	5.00	5.29	5.50	106	110	80.0-120			3.89	20
Trichloroethene	5.00	4.84	4.93	96.8	98.6	78.0-124			1.84	20
Trichlorofluoromethane	5.00	6.24	6.25	125	125	59.0-147			0.160	20
1,2,3-Trichloropropane	5.00	4.71	5.29	94.2	106	73.0-130			11.6	20
1,2,4-Trimethylbenzene	5.00	4.51	4.56	90.2	91.2	76.0-121			1.10	20
1,3,5-Trimethylbenzene	5.00	4.52	4.59	90.4	91.8	76.0-122			1.54	20
Vinyl acetate	25.0	29.7	29.3	119	117	11.0-160			1.36	20
Vinyl chloride	5.00	4.08	4.25	81.6	85.0	67.0-131			4.08	20
Xylenes, Total	15.0	14.2	14.4	94.7	96.0	79.0-123			1.40	20
Di-isopropyl ether	5.00	5.29	5.32	106	106	58.0-138			0.566	20
Ethanol	250	236	286	94.4	114	10.0-160			19.2	30
Ethyl tert-butyl ether	5.00	5.23	5.15	105	103	63.0-138			1.54	20
Methyl tert-butyl ether	5.00	5.63	5.59	113	112	68.0-125			0.713	20
tert-Butyl alcohol	25.0	22.4	22.0	89.6	88.0	27.0-160			1.80	30
tert-Amyl Methyl Ether	5.00	5.18	5.18	104	104	66.0-125			0.000	20
(S) Toluene-d8				*102*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*92.3*	*96.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*113*	*117*	*70.0-130*				

Method Blank (MB)

(MB) R3973211-4 09/13/23 22:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3973211-1 09/13/23 20:35 • (LCSD) R3973211-2 09/13/23 20:56

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
cis-1,3-Dichloropropene	5.00	4.06	4.32	81.2	86.4	80.0-123			6.21	20
trans-1,3-Dichloropropene	5.00	3.79	4.20	75.8	84.0	78.0-124	J4		10.3	20
(S) Toluene-d8				*109*	*111*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*112*	*70.0-130*				

L1653596-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1653596-09 09/14/23 03:37 • (MS) R3973211-5 09/14/23 05:25 • (MSD) R3973211-6 09/14/23 05:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
cis-1,3-Dichloropropene	25.0	ND	22.4	21.8	89.6	87.2	5	34.0-149			2.71	28
trans-1,3-Dichloropropene	25.0	ND	21.8	21.5	87.2	86.0	5	32.0-149			1.39	28
(S) Toluene-d8					*109*	*108*		*80.0-120*				
(S) 4-Bromofluorobenzene					*104*	*104*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*112*	*108*		*70.0-130*				

Method Blank (MB)

(MB) R3972782-1 09/13/23 13:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
TPH (GC/FID) High Fraction	U		24.7	100
(S) o-Terphenyl	*98.0*			*31.0-160*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3972782-2 09/13/23 13:57 • (LCSD) R3972782-3 09/13/23 14:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TPH (GC/FID) High Fraction	1500	1450	1530	96.7	102	50.0-150			5.37	20
(S) o-Terphenyl				*96.5*	*103*	*31.0-160*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
EnviroTrac Ltd. - Sunoco

155 Riverbend Drive Suite A
Charlottesville, VA 22911

Billing Information:
Eric Shertzer
155 Riverbend Drive Suite A
Charlottesville, VA 22911

Pres Chk

Report to:
Eric Shertzer

Email To: **erics@envirotrac.com**

Project Description:
07923998

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **434-202-7808**

Client Project #
07923998

Lab Project #
SUNENVTRAC-07923998

Collected by (print):
D. Shertzer

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1653618

H194

Acctnum: **SUNENVTRAC**
Template: **T236674**
Prelogin: **P1019628**
PM: **3564 - Chad A Upchurch**
PB: 8-24-2023G
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	V524GW 40mlAmb-AscAcid+HCl	V8260OXY 40mlAmb-HCl	Remarks	Sample # (lab only)
PW-1	Grab	GW		9/6/23	1215	3			X			-01
PW-1		GW			1215	3				X		-02
MW-2		GW			1100	7	X	X		X		-03
MW-5		GW			1030	7	X	X		X		-04
MW-9		GW			1200	7	X	X		X		-05
MW-14		GW			1130	7	X	X		X		-06

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:PW-1 = Report V524GW and V8260OXY separately

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7019 5681 5041

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: __Y ✓N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
	9/6/23	1530		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: GB88 °C Bottles Received: 4.6+0+4.6
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-7-23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)