SECOND QUARTER 2022 HIGH RISK GROUNDWATER USE AREA (HRGUA) GROUNDWATER MONITORING REPORT

Sunoco Duns #0651-9128
355 Telegraph Road
Rising Sun, MD 21911
Facility ID No. 2823
Case No. 2021-0202-CE

Prepared For:

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July 29, 2022

GROUNDWATER MONITORING REPORT

Site Name: Sunoco Duns #0651-9128

Site Address: 355 Telegraph Road
Rising Sun, MD 21911
(***Figure 1***)

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

Client Contact: Susan Shirer

Regulatory Contacts: Lindley Campbell – Maryland Department of the Environment

Field Activities: Groundwater Gauging and Sampling

Monitoring Period: April 1, 2022 – June 30, 2022

Gauging Activities: Monitoring wells MW-1, MW-2, MW-3, MW-4, and tank field wells TF-1 and TF-2, were gauged on June 17, 2022. 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 17, 2022. Monitoring well depth to water measurements ranged from approximately 2.68 feet (MW-4) to 4.42 feet (MW-3) 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-1	18.9
MW-2	206.1
MW-3	298.3
MW-4	0.1
TF-1	1.1
TF-2	1.1

Historic monitoring well gauging data are summarized in ***Table 1***. Gauging locations are depicted on ***Figure 2*** and a potentiometric surface map based on the June 17, 2022, gauging data is provided as ***Figure 3***. Groundwater flow direction was determined to be towards the southwest at a gradient of approximately 0.09%.

Groundwater Sampling: On June 17, 2022, monitoring wells MW-1, MW-2, MW-3, MW-4, TF-1, and TF-2 were purged of approximately three well volumes of groundwater and sampled using disposable polyethylene bailers.

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.

On June 17, 2022, EnviroTrac also collected a potable water sample from the onsite water supply well designated as PW-1. The sample was placed into a laboratory supplied container, and immediately placed on ice. The potable water sample was shipped to Pace for analysis of VOCs in accordance with EPA Methods 524.2 and 8260 including oxygenates and naphthalene.

Groundwater Analytical Summary:

The results of the June 17, 2022, groundwater sampling event indicated that the samples from PW-1, TF-1, TF-2, and MW-4 were below the analytical detection limits for VOCs and TPH DRO/GRO. The results from wells MW-1, MW-2, and MW-3 remained relatively consistent with the results of the previous sampling events. The following is a summary of the laboratory analytical results that exceeded the MDE's Generic Numeric Cleanup Standards (GNCS) for Type I & II Aquifers:

- MW-1 reported exceedances of Benzene at 42 µg/L, Naphthalene at 6.71 µg/L, 1,2,4-Trimethylbenzene at 6.66 µg/L, TPH DRO at 2300 µg/L, and TPH GRO at 1610 µg/L;
- MW-2 reported exceedances of Naphthalene at 6.39 µg/L, TPH DRO at 1330 µg/L, and TPH GRO at 289 µg/L; and
- MW-3 reported exceedances of Benzene at 28.40 µg/L, 1,2,4-Trimethylbenzene at 7.39 µg/L, TPH DRO at 346 µg/L, and TPH GRO at 361 µg/L.

A copy of the laboratory analytical report is included in ***Appendix A***; historic groundwater analytical data are summarized in ***Tables 1 and 2***; a geographic distribution of the groundwater analytical data is provided as ***Figure 4***.

Conclusions:

The cross-gradient well MW-1 exhibited the highest petroleum impact exceeding the MDE GNCS for Type I and II Aquifers for concentrations of Benzene, Naphthalene, 124-Trimethylbenzene, TPH DRO, and TPH GRO. The well directly downgradient of the

tank field and dispenser islands, MW-3, exhibited petroleum impact exceeding the MDE GNCS for Type I and II Aquifers for concentrations of Benzene, 124-Trimethylbenzene, TPH DRO, and TPH GRO. The cross-gradient well, MW-2, exhibited less petroleum impact exceeding the MDE GNCS for Type I and II Aquifers for concentrations of Naphthalene, TPH GRO and TPH DRO. Concentrations of all contaminants of concern were below laboratory detection limits in TF-1, TF-2, MW-4, and the potable well sample, PW-1.

Monitoring wells MW-1 and MW-3 were evaluated using Mann-Kendall statistical analysis to determine constituent trends. The following is a summary of the Mann-Kendall analysis results:

- Concentrations of benzene are decreasing in MW-1 and probably decreasing in MW-3;
- Concentrations of MTBE are decreasing in MW-1 and MW-3;
- Concentrations of TPH GRO are decreasing in MW-1 and MW-3;
- Concentrations of TPH DRO are probably decreasing in MW-1 and decreasing in MW-3.

Mann-Kendall trends are included in ***Appendix B***.

Future Site Activities:

In accordance with the February 10, 2021, letter from MDE to Sunoco and titled *Notice of Non-Compliance NNC-OCP-2021-007, Request for Enhanced Monitoring and Half-Mile Well Survey*, quarterly gauging and sampling of the tank field wells and monitoring wells was performed through the second quarter 2022. Samples were analyzed for VOCs via EPA Method 8260 and total petroleum hydrocarbons (TPH) in the gasoline range and the diesel range via EPA Method 8015. Potable well sampling was also conducted, and the samples were analyzed for VOCs in accordance with EPA Methods 524.2 and 8260 including oxygenates and naphthalene.

Concentration levels of select COCs in cross-gradient well MW-1 and downgradient well MW-3 exceeded the MDE GNCS for Type I and II Aquifers. EnviroTrac recommends continued quarterly groundwater monitoring and sampling of the monitoring well network and the potable well through the fourth quarter 2022. Following each sampling event, a groundwater monitoring and sampling report will be prepared and submitted to the MDE.

Attachments:

Table 1: Monitoring Well Gauging Data and Historical Groundwater Analytical Summary
Table 2: Historical Potable Well Analytical Summary

TABLES

TABLE 1

MONITORING WELL GAUGING DATA AND HISTORICAL GROUNDWATER ANALYTICAL SUMMARY

Sunoco Duns #0651-9128
355 Telegraph Road
Rising Sun, MD 21911
Facility ID No. 2823

		Gauging Data						Analytical Data															
Sample ID	Date	Top of Casing Elevation	PID (ppm)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Naphth-alene (µg/L)	Cumene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2,4 Trimethylb enzene (µg/L)	1,3,5 Trimethyl benzene (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)
MW-1	7/7/2005	98.50	--	5.32	ND	ND	93.18	160	490	240	1300	2190	280	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/14/2005	98.50	--	4.57	ND	ND	93.93	1030	2020	473	2360	5883	1910	--	--	NA	NA	NA	NA	--	--	NA	NA
	4/20/2006	98.50	--	5.02	ND	ND	93.48	2090	6960	1740	7740	18530	3000	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/28/2006	98.50	--	3.63	ND	ND	94.87	1910	5060	1580	7990	16540	2740	--	--	NA	NA	NA	NA	--	--	NA	NA
	6/27/2007	98.50	--	5.52	ND	ND	92.98	460	83	650	2100	3293	990	--	--	NA	NA	NA	NA	--	--	NA	NA
	1/23/2008	98.50	--	4.31	ND	ND	94.19	910	1200	1400	5800	9310	2300	--	--	35	ND(20)	300	1500	--	--	NA	NA
	6/9/2008	98.50	--	5.11	ND	ND	93.39	800	330	1700	6800	9630	1400	--	--	ND(25)	ND(25)	180	1800	--	--	4200	27000
	12/7/2008	98.50	--	4.53	ND	ND	93.97	690	560	1100	4100	6450	1200	--	--	22	ND(20)	170	1300	--	--	3100	16000
	6/1/2009	98.50	--	4.11	ND	ND	94.39	1100	540	2500	10000	14140	1300	--	--	29	ND(25)	210	1900	--	--	5500	41000
	1/6/2010	98.50	--	3.99	ND	ND	94.51	800	480	2100	8000	11380	1500	--	--	ND(25)	ND(25)	180	2400	--	--	6600	36000
	6/22/2010	98.50	--	6.25	ND	ND	92.25	410	26	1600	2400	4436	1000	--	--	ND(25)	ND(25)	110	2000	--	--	4700	15000
	12/9/2010	98.50	--	4.55	ND	ND	93.95	210	40	580	840	1670	400	--	--	11	ND(5)	55	690	--	--	1800	6300
	12/22/2011	98.50	--	3.91	ND	ND	94.59	240	38	570	540	1388	330	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/17/2012	98.50	--	4.61	ND	ND	93.89	83	16	590	130	819	260	--	--	NA	NA	NA	59	--	--	NA	NA
	12/30/2013	98.50	--	3.55	ND	ND	94.95	130	15	440	130	715	180	--	--	NA	NA	NA	360	--	--	NA	NA
	12/9/2014	98.50	--	3.83	ND	ND	94.67	39	2 J	170	12	221	70	--	--	NA	NA	NA	180	--	--	NA	NA
	12/2/2015	98.50	--	3.77	ND	ND	94.73	12	ND(1)	110	6	128	20	--	--	NA	NA	NA	82	--	--	NA	NA
	12/14/2016	98.50	--	4.47	ND	ND	94.03	8	1	71	3	83	21	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/7/2017	98.50	--	4.52	ND	ND	93.98	13	1	32	9	55	31	--	--	3	ND(1)	ND(1)	160	--	--	NA	NA
	10/30/2018	98.50	--	3.72	ND	ND	94.78	4	ND(1)	ND(1)	ND(5)	4	8	--	--	ND(1)	ND(1)	1	73	--	--	NA	NA
	10/2/2019	98.50	113.4	5.66	ND	ND	92.84	7	ND(1)	ND(1)	ND(3)	7	1.91	13.7	3.36	ND(1)	ND(1)	ND(1)	21.0	ND(1)	ND(1)	NA	NA
	8/26/2020	98.50	55.1	4.45	ND	ND	94.05	40.6	1.9	26.0	14.9	83.4	12.9	125	36	1.4	ND(1)	ND(1)	87.7	4.74	1.96	NA	NA
	11/6/2020	98.50	58.3	4.00	ND	ND	94.50	23.9	1.1	17.6	14.2	56.8	11.1	80.7	14.0	1.4	ND(1)	2.3	70.1	6.5	1.2	NA	NA
	2/17/2021	98.50	38.1	3.36	ND	ND	95.14	11.6	ND(1)	6.6	4.8	23.0	5.86	ND(5)	ND(1)	ND(1)	ND(1)	1.11	84.3	7.01	1.96	NA	NA
	6/29/2021	98.50	146.1	4.48	ND	ND	94.02	67.0	ND(10)	ND(10)	35	101.9	21.6	89.1	NA	ND(10)	ND(10)	ND(10)	132	32.7	ND(10)	2500	1730
	9/30/2021	98.50	73.1	4.10	ND	ND	94.40	7.8	ND(1)	ND(1)	ND(3)	7.8	8.04	19.8	NA	ND(1)	ND(1)	1.76	58	ND(1)	ND(1)	213	786
	12/21/2021	98.50	60.1	4.40	ND	ND	94.10	1.5	ND(1)	ND(1)	ND(3)	1.5	9.34	ND(5)	NA	ND(1)	ND(1)	1.94	55.9	ND(1)	ND(1)	689	402
	3/15/2022	98.50	20.1	3.82	ND	ND	94.68	118	7.58	392	191	708.6	33.6	325	NA	2.43	ND(1)	ND(1)	152	282	6.27	4210	6150
	6/17/2022	98.50	18.9	4.08	ND	ND	94.42	42	2.05	2	8	53.3	18.8	6.71	NA	1.93	ND(1)	ND(1)	104	6.66	ND(1)	2300	1610
MW-2	7/7/2005	98.74		4.91	ND	ND	93.83	ND(25)	ND(25)	ND(25)	ND(50)	BRL	2900	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/14/2005	98.74		3.94	ND	ND	94.80	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1050	--	--	NA	NA	NA	NA	--	--	NA	NA
	4/20/2006	98.74		4.56	ND	ND	94.18	ND(5)	ND(5)	4.1	ND(5)	4.1	178	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/28/2006	98.74		3.04	ND	ND	95.70	ND(0.21)	0.97 J	0.39 J	2	3.36 J	14.9	--	--	NA	NA	NA	NA	--	--	NA	NA
	6/27/2007	98.74		4.98	ND	ND	93.76	ND(5)	ND(5)	0.9 J	1 J	1.9 J	36	--	--	NA	NA	NA	NA	--	--	NA	NA
	1/23/2008	98.74		3.77	ND	ND	94.97	ND(5)	ND(5)	ND(5)	ND(5)	BRL	10	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	NA	NA
	6/9/2008	98.74		4.59	ND	ND	94.15	ND(5)	ND(5)	ND(5)	ND(5)	BRL	32	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	1000	81
	12/7/2008	98.74		4.19	ND	ND	94.55	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	560	ND(50)
	6/1/2009	98.74		5.92	ND	ND	92.82	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	910	ND(50)
	1/6/2010	98.74		3.26	ND	ND	95.48	ND(5)	ND(5)	11	27	38	10	--	--	ND(5)	ND(5)	ND(5)	120	--	--	2000	560
	6/22/2010	98.74		5.51	ND	ND	93.23	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	370	ND(50)
	12/9/2010	98.74		3.85	ND	ND	94.89	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	470	ND(50)
	12/22/2011	98.74		3.36	ND	ND	95.38	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/17/2012	98.74		3.85	ND	ND	94.89	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	NA	NA	NA	ND(80)	--	--	NA	NA
	12/30/2013	98.74		2.50	ND	ND	96.24	1	ND(1)	2	1	4	5	--	--	NA	NA	NA	100	--	--	NA	NA
	12/9/2014	98.74		2.95	ND	ND	95.79	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1 J	--	--	NA	NA	NA	ND(80)	--	--	NA	NA
	12/2/2015	98.74		3.20	ND	ND	95.54	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	--	--	NA	NA	NA	9	--	--	NA	NA
	12/14/2016	98.74		4.57	ND	ND	94.17	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/7/2017	98.74		4.46	ND	ND	94.28	14	ND(1)	18	4	36	8	--	--	ND(1)	ND(1)	ND(1)	ND(20)	--	--	NA	NA
	10/30/2018	98.74		3.63	ND	ND	95.11	1	ND(1)	1	ND(5)	2	3	--	--	ND(1)	ND(1)	ND(1)	71	--	--	NA	NA

TABLE 1

MONITORING WELL GAUGING DATA AND HISTORICAL GROUNDWATER ANALYTICAL SUMMARY

Sunoco Duns #0651-9128
355 Telegraph Road
Rising Sun, MD 21911
Facility ID No. 2823

		Gauging Data						Analytical Data															
Sample ID	**Date**	**Top of Casing Elevation**	**PID (ppm)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**Naphth-alene (µg/L)**	**Cumene (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**TBA (µg/L)**	**1,2,4 Trimethylb enzene (µg/L)**	**1,3,5 Trimethyl benzene (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**
MW-2 Cont.	10/2/2019	98.74	68.8	5.78	ND	ND	92.96	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	NA	NA
	8/26/2020	98.74	43.2	4.51	ND	ND	94.23	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	7.52	ND(1)	ND(1)	ND(1)	ND(1)	6.1	ND(1)	ND(1)	NA	NA
	11/6/2020	98.74	40.0	3.98	ND	ND	94.76	ND(2)	ND(2)	ND(2)	ND(2)	BRL	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	6.1	ND(2)	ND(2)	NA	NA
	2/17/2021	98.74	9.8	3.39	ND	ND	95.35	1.7	ND(1)	2.2	ND(3)	3.9	ND(1)	8.63	2.6	ND(1)	ND(1)	ND(1)	423	2.99	ND(1)	NA	NA
	6/29/2021	98.74	68.7	4.57	ND	ND	94.17	1.0	ND(1)	ND(1)	ND(3)	1.0	1.23	ND(5)	NA	ND(1)	ND(1)	ND(1)	25.3	ND(1)	ND(1)	1430	282
	9/30/2021	98.74	98.2	4.07	ND	ND	94.67	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	6.14	ND(1)	ND(1)	ND(100)	ND(100)
	12/21/2021	98.74	108.3	4.50	ND	ND	94.24	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	5.81	ND(1)	ND(1)	195	ND(100)
	3/15/2022	98.74	182.3	3.70	ND	ND	95.04	2.93	ND(1)	1.22	ND(3)	4.2	1.78	18.1	NA	ND(1)	ND(1)	ND(1)	36.7	2.44	ND(1)	1900	701
	6/17/2022	98.74	206.1	4.12	ND	ND	94.62	1.70	ND(1)	ND(1)	ND(3)	1.7	1.18	6.39	NA	ND(1)	ND(1)	ND(1)	29.5	1.64	ND(1)	1330	289
MW-3	7/7/2005	98.51		5.92	ND	ND	92.59	310	330	80	400	1120	3000	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/14/2005	98.51		5.14	ND	ND	93.37	119	65.4	121	980	1285	2500	--	--	NA	NA	NA	NA	--	--	NA	NA
	4/20/2006	98.51		5.61	ND	ND	92.90	87.1	118	87.9	547	840	1970	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/28/2006	98.51		4.51	ND	ND	94.00	8.1	2.2 J	2 J	5.9	18.2 J	1820	--	--	NA	NA	NA	NA	--	--	NA	NA
	6/27/2007	98.51		5.91	ND	ND	92.60	580	570	170	1100	2420	2100	--	--	NA	NA	NA	NA	--	--	NA	NA
	1/23/2008	98.51		4.90	ND	ND	93.61	160	11	22	43	236	1600	--	--	ND(10)	ND(10)	110	820	--	--	NA	NA
	6/9/2008	98.51		5.63	ND	ND	92.88	1100	500	130	360	2090	1400	--	--	ND(20)	ND(20)	110	850	--	--	2300	7300
	12/7/2008	98.51		5.21	ND	ND	93.30	ND(5)	ND(5)	ND(5)	9	9	730	--	--	ND(5)	ND(5)	ND(5)	970	--	--	3200	1100
	6/1/2009	98.51		5.41	ND	ND	93.10	420	30	66	120	636	1400	--	--	ND(5)	ND(5)	87	1900	--	--	1100	2700
	1/6/2010	98.51		3.51	ND	ND	95.00	300	24	68	120	512	1100	--	--	ND(10)	ND(10)	21	1800	--	--	920	3200
	6/22/2010	98.51		7.31	ND	ND	91.20	590	23	130	160	903	760	--	--	ND(13)	ND(13)	40	1900	--	--	1900	3400
	12/9/2010	98.51		5.02	ND	ND	93.49	43	ND(5)	27	39	109	470	--	--	ND(5)	ND(5)	ND(5)	1700	--	--	670	750
	12/22/2011	98.51		4.65	ND	ND	93.86	39	ND(5)	18	18	75	150	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/17/2012	98.51		4.76	ND	ND	93.75	340	45	270	410	1065	110	--	--	NA	NA	NA	110	--	--	NA	NA
	12/30/2013	98.51		3.54	ND	ND	94.97	180	31	360	860	1431	13	--	--	NA	NA	NA	65	--	--	NA	NA
	12/9/2014	98.51		4.12	ND	ND	94.39	150	9	150	210	519	12	--	--	NA	NA	NA	ND(80)	--	--	NA	NA
	12/2/2015	98.51		3.98	ND	ND	94.53	200	25	340	510	1075	19	--	--	NA	NA	NA	35	--	--	NA	NA
	12/14/2016	98.51		4.76	ND	ND	93.75	61	17	450	640	1168	18	--	--	NA	NA	NA	NA	--	--	NA	NA
	12/7/2017	98.51		4.81	ND	ND	93.70	15	ND(1)	19	4	38	8	--	--	ND(1)	ND(1)	2	ND(20)	--	--	NA	NA
	10/30/2018	98.51		4.15	ND	ND	94.36	88	4	40	32	164	9	--	--	ND(1)	ND(1)	2	ND(25)	--	--	NA	NA
	10/2/2019	98.51	192.6	5.79	ND	ND	92.72	59.4	3.8	12.9	12.9	89	7.45	ND(5)	1.59	ND(1)	ND(1)	1.69	ND(5)	21.8	6.42	NA	NA
	8/26/2020	98.51	72.6	4.84	ND	ND	93.67	546	50.4	63.3	33.7	693	28.6	19.8	11.3	ND(1)	ND(1)	ND(1)	31.9	94.7	34.5	NA	NA
	11/6/2020	98.51	131.8	4.25	ND	ND	94.26	315	15.1	36.8	33.4	400	20	16.7	6.2	ND(4)	ND(4)	ND(30)	31.9	64.9	18.9	NA	NA
	2/17/2021	98.51	83.9	3.61	ND	ND	94.90	90.5	5.1	100	134	329.6	26.2	262	54.5	2.05	ND(1)	5.42	1010	133	6.34	NA	NA
	6/29/2021	98.51	176.1	4.76	ND	ND	93.75	149.0	ND(10)	35.5	ND(30)	184.5	10.5	ND(50)	NA	ND(10)	ND(10)	ND(10)	ND(50)	43.4	13.0	992	1050
	9/30/2021	98.51	215.5	4.30	ND	ND	94.21	127.0	ND(5)	32.8	27	187.0	7.95	ND(25)	NA	ND(5)	ND(5)	ND(5)	ND(25)	22.7	8.9	871	305
	12/21/2021	98.51	202.2	4.56	ND	ND	93.95	47.1	ND(1)	1.92	3.35	52.4	5.00	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	2.86	ND(1)	354	296
	3/15/2022	98.51	305.8	3.90	ND	ND	94.61	9.03	ND(1)	ND(1)	ND(3)	9.03	7.96	ND(5)	NA	ND(1)	ND(1)	1.69	9.40	ND(1)	ND(1)	446	234
	6/17/2022	98.51	298.3	4.42	ND	ND	94.09	28.40	ND(1)	3.39	ND(3)	31.79	4.92	ND(5)	NA	ND(1)	ND(1)	1.02	ND(5)	7.39	1.69	346	361
MW-4	6/29/2021	NSVD	0.0	4.59	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(105)	ND(100)
	9/30/2021	97.46	0.2	4.15	ND	ND	93.31	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	12/21/2021	97.46	1.5	4.70	ND	ND	92.76	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	154	ND(100)
	3/15/2022	97.46	0.0	4.05	ND	ND	93.41	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	6/17/2022	97.46	0.1	2.68	ND	ND	94.78	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)

TABLE 1

MONITORING WELL GAUGING DATA AND HISTORICAL GROUNDWATER ANALYTICAL SUMMARY

Sunoco Duns #0651-9128
355 Telegraph Road
Rising Sun, MD 21911
Facility ID No. 2823

		Gauging Data						Analytical Data															
Sample ID	**Date**	**Top of Casing Elevation**	**PID (ppm)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**Naphth-alene (µg/L)**	**Cumene (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**TBA (µg/L)**	**1,2,4 Trimethylb enzene (µg/L)**	**1,3,5 Trimethyl benzene (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**
TF-1	1/6/2010	NSVD		3.26	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	ND(95)	ND(50)
	6/22/2010	NSVD		5.31	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	ND(96)	ND(50)
	12/9/2010	NSVD		4.01	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	ND(95)	ND(50)
	12/22/2011	NSVD		3.51	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2012	NSVD		4.17	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/30/2013	NSVD		3.04	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2014	NSVD		2.90	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/2/2015	NSVD		3.64	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2016	NSVD		4.45	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/7/2017	NSVD		4.57	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2018	NSVD	0.0	3.54	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/2/2019	NSVD	0.2	5.56	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/2020	NSVD	0.6	4.30	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/2020	NSVD	2.4	3.80	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/17/2021	NSVD	1.9	3.23	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29/2021	NSVD	1.10	4.23	ND	ND	NSVD	ND(0.5)	ND(1)	ND(0.5)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	9/30/2021	NSVD	0.5	3.90	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	12/21/2021	NSVD	0.1	4.38	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	3/15/2022	NSVD	1.2	3.61	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	6/17/2022	NSVD	1.1	4.01	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
TF-2	1/6/2010	NSVD		3.11	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	ND(190)	ND(50)
	6/22/2010	NSVD		5.22	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	ND(95)	ND(50)
	12/9/2010	NSVD		3.94	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	--	--	ND(5)	ND(5)	ND(5)	ND(80)	--	--	ND(94)	ND(50)
	12/22/2011	NSVD		3.50	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2012	NSVD		4.10	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/30/2013	NSVD		2.59	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2014	NSVD		2.85	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/2/2015	NSVD		3.57	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2016	NSVD		4.39	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/7/2017	NSVD		4.41	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2018	NSVD	0.0	5.41	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/2/2019	NSVD	0.2	5.27	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/2020	NSVD	332	4.24	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/2020	NSVD	146.9	3.77	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/17/2021	NSVD	98.4	3.19	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29/2021	NSVD	98.5	4.19	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	9/30/2021	NSVD	3.3	3.83	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	12/21/2021	NSVD	0.8	4.31	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	3/15/2022	NSVD	1.8	3.43	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
	6/17/2022	NSVD	1.1	3.96	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(3)	BRL	ND(1)	ND(5)	NA	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(1)	ND(100)	ND(100)
MDE Groundwater Cleanup Standards Type I and II Aquifers (µg/L)								**5**	**1,000**	**700**	**10,000**	**NE**	**20**	**0.17**	**45**	**NE**	**NE**	**NE**	**NE**	**5.6**	**6.0**	**47**	**47**

TABLE 1

MONITORING WELL GAUGING DATA AND HISTORICAL GROUNDWATER ANALYTICAL SUMMARY

Sunoco Duns #0651-9128
355 Telegraph Road
Rising Sun, MD 21911
Facility ID No. 2823

		Gauging Data						Analytical Data															
Sample ID	**Date**	**Top of Casing Elevation**	**PID (ppm)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**Naphth-alene (µg/L)**	**Cumene (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**TBA (µg/L)**	**1,2,4 Trimethylb enzene (µg/L)**	**1,3,5 Trimethyl benzene (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**

Notes:

µg/L - micrograms per liter (parts per billion)
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - Di-Isopropyl Ether
ETBE - Ethyl Tertiary Butyl Ether
GW - Groundwater
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
ND - Not detected
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NM - Not monitored
NS - Not sampled
NSVD - Not surveyed to vertical datum
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol

MDE Generic Numeric Cleanup Standards from Table 1 of report titled *State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater* dated October 2018 (Interim Final Guidance Update No. 3).

TABLE 2

HISTORICAL POTABLE WELL ANALYTICAL SUMMARY

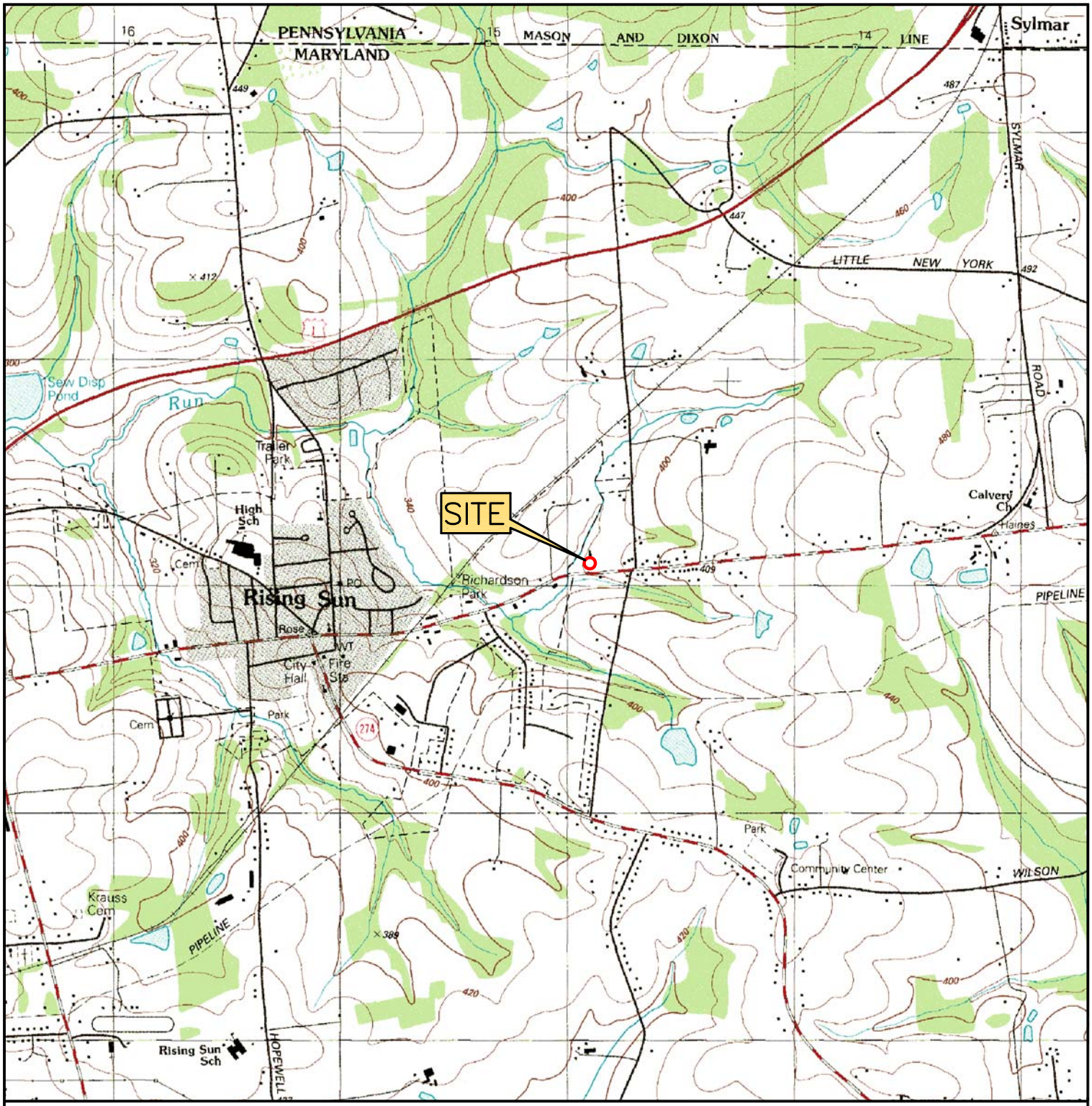
Sunoco Duns #0651-9128
355 Telegraph Road
Rising Sun, MD 21911
Facility ID No. 2823

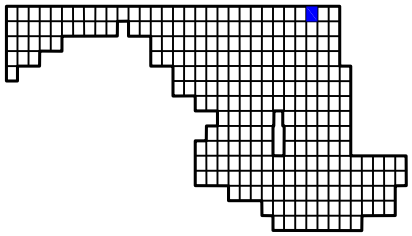
		Gauging Data					Analytical Data									
Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	*MTBE (µg/L)	*TBA (µg/L)	*DIPE (µg/L)	*ETBE (µg/L)	*TAME (µg/L)
PW-1	7/7/2005	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.50)	ND(1)	BRL	ND(0.5)	NA	NA	NA	NA
	12/14/2005	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.50)	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA
	4/20/2006	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.50)	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA
	12/28/2006	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2007	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA
	1/23/2008	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)
	6/9/2008	NM	NM	NM	NM	NM	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)
	12/7/2008	NM	NM	NM	NM	NM	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)
	6/1/2009	NM	NM	NM	NM	NM	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)
	1/6/2010	NM	NM	NM	NM	NM	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)
	6/22/2010	NM	NM	NM	NM	NM	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)
	12/9/2010	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(26)	ND(0.5)	ND(0.5)	ND(0.5)
	12/22/2011	NM	NM	NM	NM	NM	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)
	12/17/2012	NM	NM	NM	NM	NM	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)
	12/30/2013	NM	NM	NM	NM	NM	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	BRL	ND(0.1)	ND(5)	ND(0.1)	ND(0.1)	ND(0.1)
	12/9/2014	NM	NM	NM	NM	NM	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	BRL	ND(0.1)	ND(5)	ND(0.1)	ND(0.1)	ND(0.1)
	12/2/2015	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)
	12/14/2016	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)
	12/7/2017	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)
	10/30/2018	NM	NM	NM	NM	NM	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)
	10/2/2019	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA
	8/26/2020	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	NA	NA	NA	NA
	11/6/2020	NM	NM	NM	NM	NM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(10)	ND(0.5)	ND(0.5)	ND(0.5)
	2/17/2021	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(5)	ND(1)	ND(1)	ND(1)
	6/29/2021	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(5)	ND(1)	ND(1)	ND(1)
	9/30/2021	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(0.5)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
	12/21/2021	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(0.5)	ND(3)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
	3/15/2022	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(1)	ND(0.5)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)
	6/17/2022	NM	NM	NM	NM	NM	ND(0.5)	ND(1)	ND(1)	ND(0.5)	BRL	ND(1)	ND(5)	ND(1)	ND(1)	ND(1)

Notes:

µg/L - micrograms per liter (µg/L)
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
GW - Groundwater
J - Indicates an estimated value
NA - Not analyzed
ND - Not detected
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NM - Not monitored
NS - Not sampled
NSVD - Not surveyed to vertical datum
* Samples analyzed by Method 8260 beginning November 6, 2020.

FIGURES





TOPOGRAPHIC QUADRANGLE:
RISING SUN, MARYLAND

APPROX. ELEVATION: 360 FT.

north

0 2000

SCALE IN FEET

FIGURE #			
1	SUNOCO STATION #0651-9128 355 TELEGRAPH ROAD RISING SUN, MARYLAND	SITE LOCATION MAP	
		DRAWN BY: B.S.	REVISION DATE: 9/28/2020

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

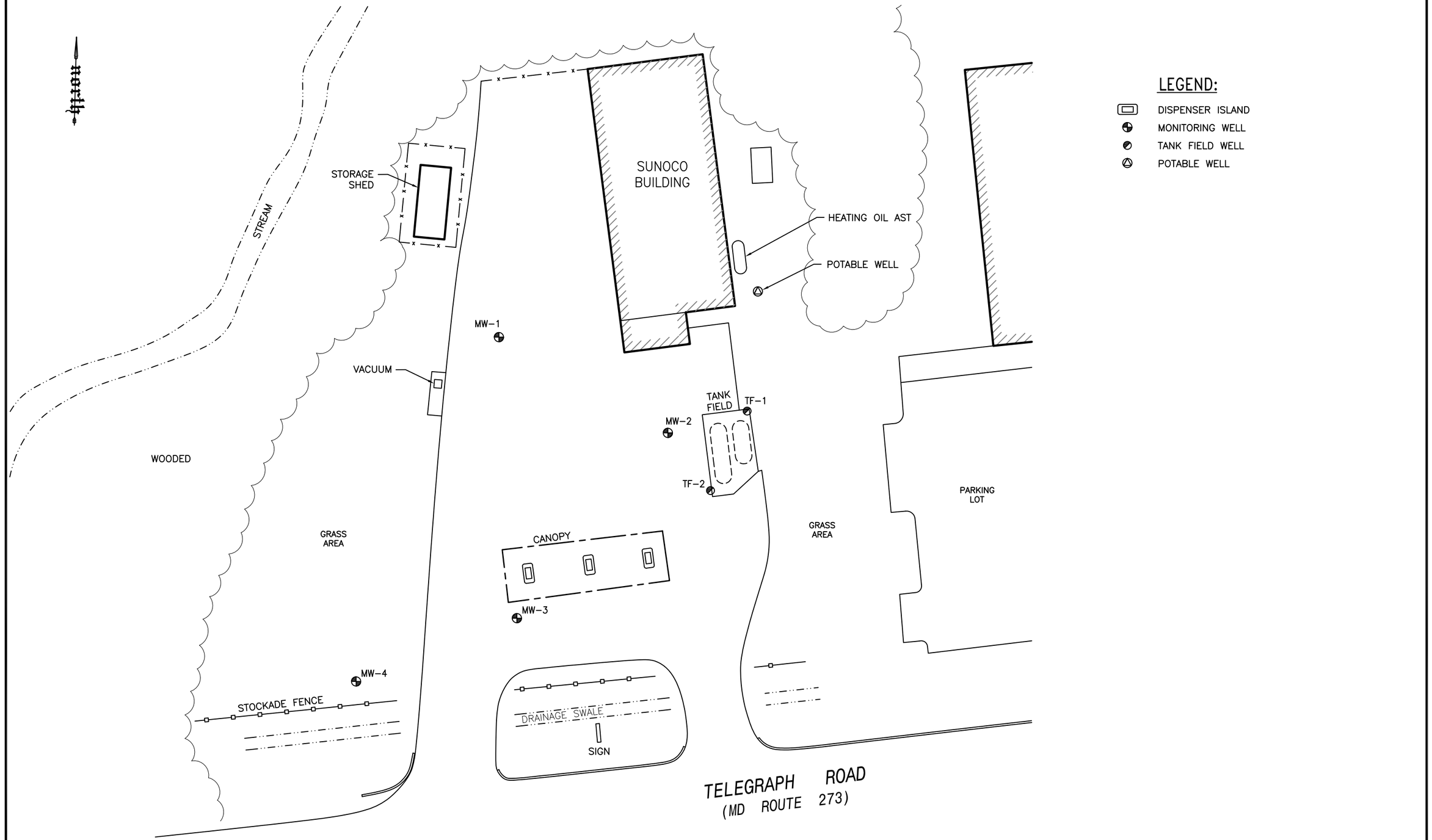
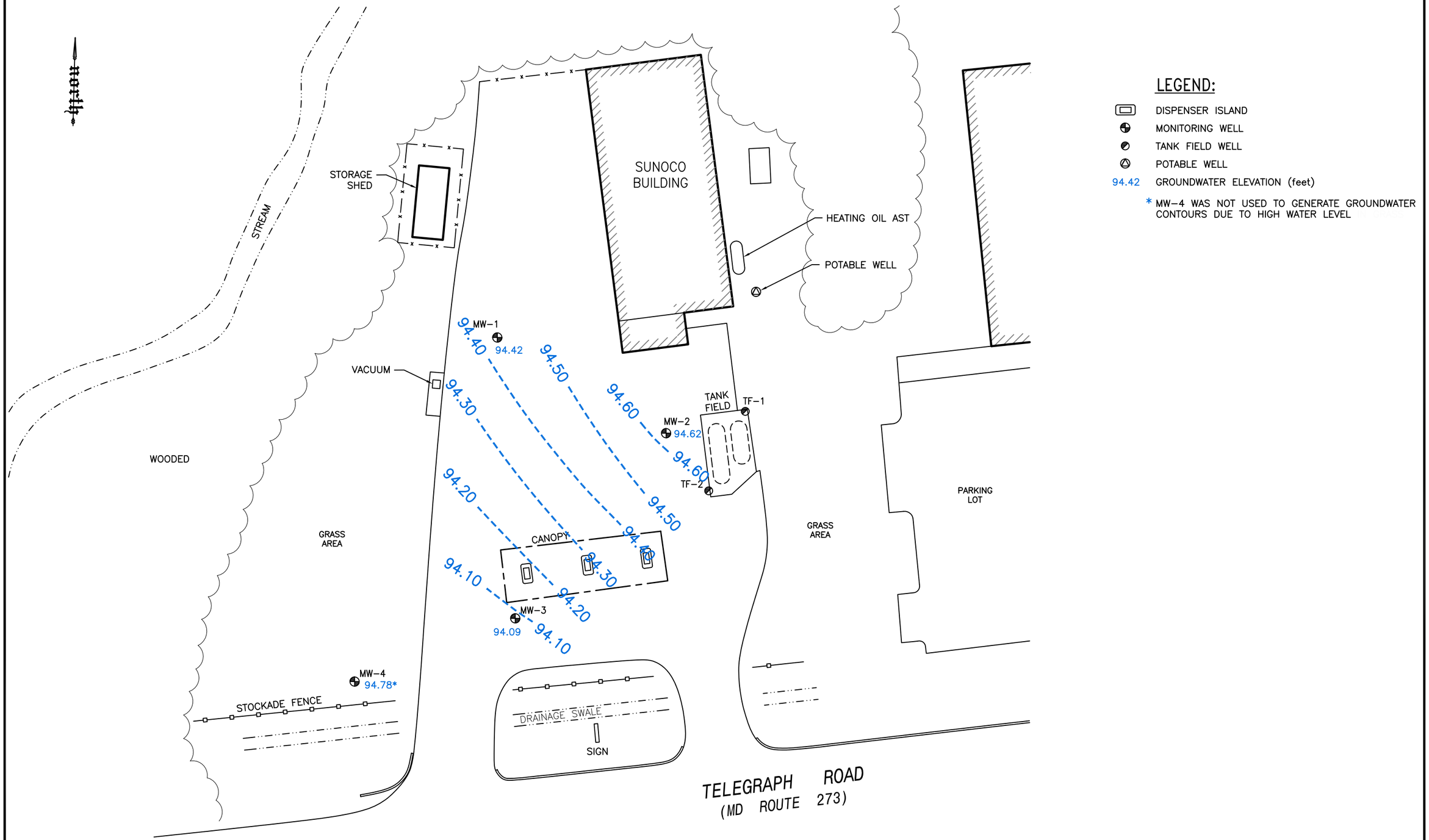


FIGURE # 2	SUNOCO STATION #0651-9128 355 TELEGRAPH ROAD RISING SUN, MARYLAND	SITE PLAN	0 40 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911 PHONE: (434)202-7808
		DRAWN BY: B.S. / REVISION DATE: 7/28/2021		



LEGEND:

- DISPENSER ISLAND
- MONITORING WELL
- TANK FIELD WELL
- POTABLE WELL
- 94.42 GROUNDWATER ELEVATION (feet)
- * MW-4 WAS NOT USED TO GENERATE GROUNDWATER CONTOURS DUE TO HIGH WATER LEVEL

FIGURE # 3	SUNOCO STATION #0651-9128 355 TELEGRAPH ROAD RISING SUN, MARYLAND	POTENTIOMETRIC SURFACE MAP JUNE 17, 2022	0 40 SCALE IN FEET
		DRAWN BY: B.S. / REVISION DATE: 7/27/2022	EnviroTrac ENVIRONMENTAL SERVICES 155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911 PHONE: (434)202-7808

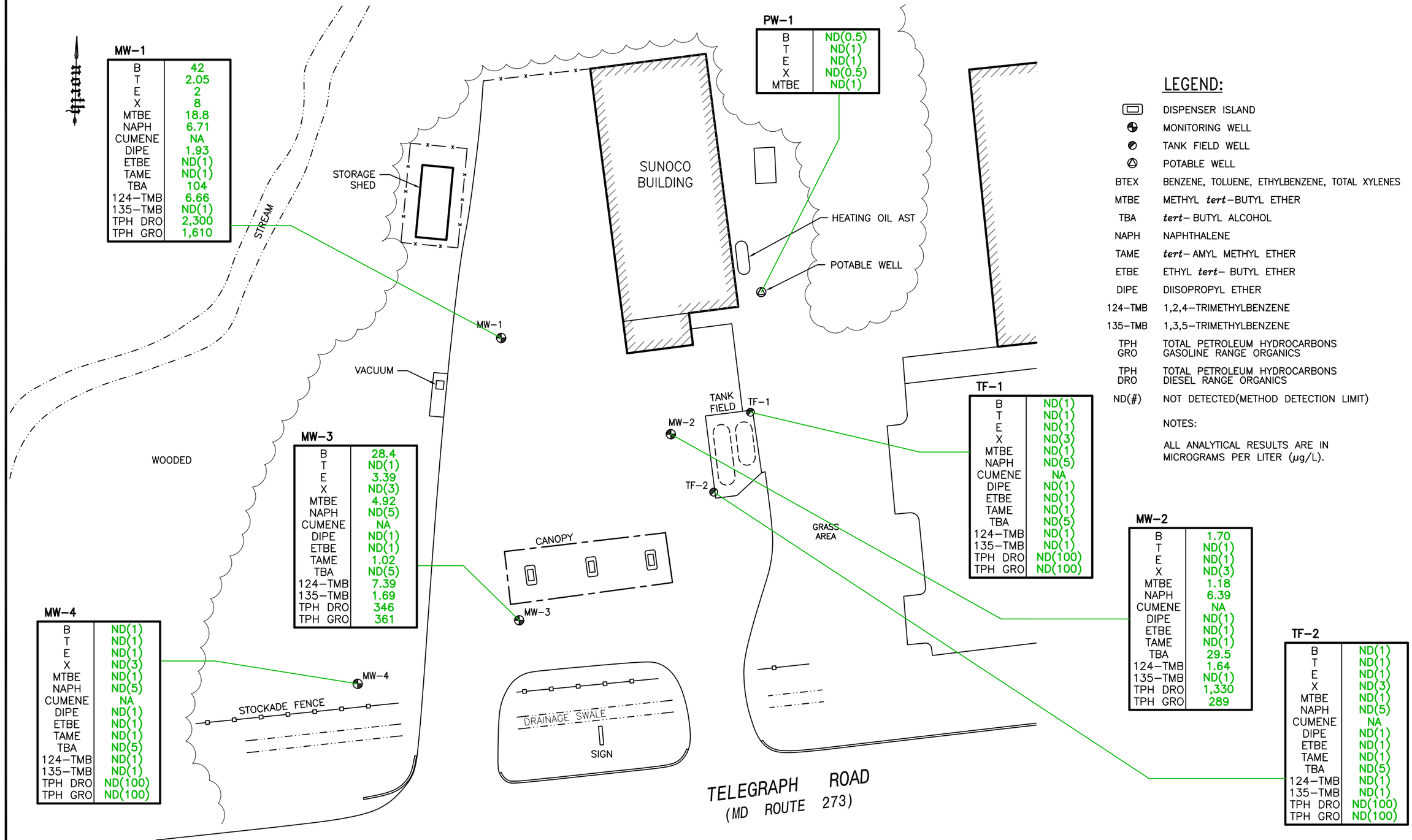


FIGURE # 4

SUNOCO STATION #0651-9128
355 TELEGRAPH ROAD
RISING SUN, MARYLAND

GROUNDWATER ANALYTICAL RESULTS MAP
JUNE 17, 2022

DRAWN BY: B.S.

REVISION DATE: 7/27/2022

0 40
SCALE IN FEET

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

APPENDIX A

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

July 15, 2022

EnviroTrac - Charlottesville, VA

Sample Delivery Group:	L1506810
Samples Received:	06/18/2022
Project Number:	SUN9128
Description:	Annual HRGUA Sampling
Site:	Rising Sun Duns# 0651-9128
Report To:	Eric Shertzer 155 Riverbend Drive Suite A Charlottesville, VA 22911

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

TABLE OF CONTENTS

PW-1 L1506810-01 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 12:30 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 18:12	06/26/22 18:12	CMJ	Mt. Juliet, TN

MW-1 L1506810-02 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 09:30 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1885308	1	06/25/22 08:44	06/25/22 08:44	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 18:34	06/26/22 18:34	CMJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1886887	10	06/30/22 05:35	07/02/22 02:51	DMG	Mt. Juliet, TN

MW-2 L1506810-03 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 10:00 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1885331	1	06/26/22 02:33	06/26/22 02:33	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 18:55	06/26/22 18:55	CMJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1886887	1	06/30/22 05:35	07/01/22 23:49	DMG	Mt. Juliet, TN

MW-3 L1506810-04 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 11:30 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1885331	1	06/26/22 08:29	06/26/22 08:29	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 19:16	06/26/22 19:16	CMJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1886887	1	06/30/22 05:35	07/02/22 00:09	TJD	Mt. Juliet, TN

MW-4 L1506810-05 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 12:00 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1885331	1	06/26/22 08:51	06/26/22 08:51	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 19:37	06/26/22 19:37	CMJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1886887	1	06/30/22 05:35	07/02/22 00:29	DMG	Mt. Juliet, TN

TF-1 L1506810-06 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 10:30 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1885331	1	06/26/22 09:13	06/26/22 09:13	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 19:59	06/26/22 19:59	CMJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1886887	1	06/30/22 05:35	07/02/22 00:49	DMG	Mt. Juliet, TN

TF-2 L1506810-07 GW

Collected by: D. Shertzer | Collected date/time: 06/17/22 11:00 | Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1887074	1	06/29/22 00:11	06/29/22 00:11	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885682	1	06/26/22 20:20	06/26/22 20:20	CMJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1886887	1	06/30/22 05:35	07/02/22 01:09	DMG	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

Project Narrative

L1506810-01 (PW-1): Data for Method 524.2 reported separately - See SDG L1506810_r1.

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	06/26/2022 18:12	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 18:12	WG1885682
Benzene	ND		1.00	1	06/26/2022 18:12	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 18:12	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 18:12	WG1885682
Bromoform	ND		1.00	1	06/26/2022 18:12	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 18:12	WG1885682
n-Butylbenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
sec-Butylbenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 18:12	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 18:12	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 18:12	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 18:12	WG1885682
Chloroform	ND		5.00	1	06/26/2022 18:12	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 18:12	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 18:12	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 18:12	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 18:12	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 18:12	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 18:12	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 18:12	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 18:12	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 18:12	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 18:12	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 18:12	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 18:12	WG1885682
Ethylbenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 18:12	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 18:12	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 18:12	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 18:12	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 18:12	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 18:12	WG1885682
Naphthalene	ND		5.00	1	06/26/2022 18:12	WG1885682
n-Propylbenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
Styrene	ND		1.00	1	06/26/2022 18:12	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 18:12	WG1885682
Toluene	ND		1.00	1	06/26/2022 18:12	WG1885682
1,2,4-Trichlorobenzene	ND		1.00	1	06/26/2022 18:12	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 18:12	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 18:12	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 18:12	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 18:12	WG1885682
1,2,4-Trimethylbenzene	ND		1.00	1	06/26/2022 18:12	WG1885682

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	06/26/2022 18:12	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 18:12	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 18:12	WG1885682
Xylenes, Total	ND		3.00	1	06/26/2022 18:12	WG1885682
Di-isopropyl ether	ND		1.00	1	06/26/2022 18:12	WG1885682
Ethanol	ND		100	1	06/26/2022 18:12	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 18:12	WG1885682
Methyl tert-butyl ether	ND		1.00	1	06/26/2022 18:12	WG1885682
tert-Butyl alcohol	ND		5.00	1	06/26/2022 18:12	WG1885682
tert-Amyl Methyl Ether	ND		1.00	1	06/26/2022 18:12	WG1885682
(S) Toluene-d8	*107*		*80.0-120*		*06/26/2022 18:12*	WG1885682
(S) 4-Bromofluorobenzene	*99.6*		*77.0-126*		*06/26/2022 18:12*	WG1885682
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*06/26/2022 18:12*	WG1885682

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	1610		100	1	06/25/2022 08:44	WG1885308
(S) a,a,a-Trifluorotoluene(FID)	*91.3*		*78.0-120*		*06/25/2022 08:44*	WG1885308

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	06/26/2022 18:34	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 18:34	WG1885682
Benzene	42.2		1.00	1	06/26/2022 18:34	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 18:34	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 18:34	WG1885682
Bromoform	ND		1.00	1	06/26/2022 18:34	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 18:34	WG1885682
n-Butylbenzene	9.04		1.00	1	06/26/2022 18:34	WG1885682
sec-Butylbenzene	7.75		1.00	1	06/26/2022 18:34	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 18:34	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 18:34	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 18:34	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 18:34	WG1885682
Chloroform	ND		5.00	1	06/26/2022 18:34	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 18:34	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 18:34	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 18:34	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 18:34	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 18:34	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 18:34	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 18:34	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 18:34	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 18:34	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 18:34	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 18:34	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 18:34	WG1885682
Ethylbenzene	1.53		1.00	1	06/26/2022 18:34	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 18:34	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 18:34	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 18:34	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 18:34	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 18:34	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 18:34	WG1885682
Naphthalene	6.71		5.00	1	06/26/2022 18:34	WG1885682
n-Propylbenzene	110		1.00	1	06/26/2022 18:34	WG1885682
Styrene	ND		1.00	1	06/26/2022 18:34	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 18:34	WG1885682
Toluene	2.05		1.00	1	06/26/2022 18:34	WG1885682

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	06/26/2022 18:34	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 18:34	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 18:34	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 18:34	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 18:34	WG1885682
1,2,4-Trimethylbenzene	6.66		1.00	1	06/26/2022 18:34	WG1885682
1,3,5-Trimethylbenzene	ND		1.00	1	06/26/2022 18:34	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 18:34	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 18:34	WG1885682
Xylenes, Total	7.51		3.00	1	06/26/2022 18:34	WG1885682
Di-isopropyl ether	1.93		1.00	1	06/26/2022 18:34	WG1885682
Ethanol	ND		100	1	06/26/2022 18:34	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 18:34	WG1885682
Methyl tert-butyl ether	18.8		1.00	1	06/26/2022 18:34	WG1885682
tert-Butyl alcohol	104		5.00	1	06/26/2022 18:34	WG1885682
tert-Amyl Methyl Ether	ND		1.00	1	06/26/2022 18:34	WG1885682
(S) Toluene-d8	*110*		*80.0-120*		*06/26/2022 18:34*	WG1885682
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*06/26/2022 18:34*	WG1885682
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*06/26/2022 18:34*	WG1885682

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	2300	B	1000	10	07/02/2022 02:51	WG1886887
(S) o-Terphenyl	*118*		*31.0-160*		*07/02/2022 02:51*	WG1886887

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	289		100	1	06/26/2022 02:33	WG1885331
(S) a,a,a-Trifluorotoluene(FID)	*98.9*		*78.0-120*		*06/26/2022 02:33*	WG1885331

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	06/26/2022 18:55	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 18:55	WG1885682
Benzene	1.70		1.00	1	06/26/2022 18:55	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 18:55	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 18:55	WG1885682
Bromoform	ND		1.00	1	06/26/2022 18:55	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 18:55	WG1885682
n-Butylbenzene	12.6		1.00	1	06/26/2022 18:55	WG1885682
sec-Butylbenzene	12.6		1.00	1	06/26/2022 18:55	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 18:55	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 18:55	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 18:55	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 18:55	WG1885682
Chloroform	ND		5.00	1	06/26/2022 18:55	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 18:55	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 18:55	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 18:55	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 18:55	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 18:55	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 18:55	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 18:55	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 18:55	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 18:55	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 18:55	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 18:55	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 18:55	WG1885682
Ethylbenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 18:55	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 18:55	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 18:55	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 18:55	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 18:55	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 18:55	WG1885682
Naphthalene	6.39		5.00	1	06/26/2022 18:55	WG1885682
n-Propylbenzene	7.41		1.00	1	06/26/2022 18:55	WG1885682
Styrene	ND		1.00	1	06/26/2022 18:55	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 18:55	WG1885682
Toluene	ND		1.00	1	06/26/2022 18:55	WG1885682

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	06/26/2022 18:55	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 18:55	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 18:55	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 18:55	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 18:55	WG1885682
1,2,4-Trimethylbenzene	1.64		1.00	1	06/26/2022 18:55	WG1885682
1,3,5-Trimethylbenzene	ND		1.00	1	06/26/2022 18:55	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 18:55	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 18:55	WG1885682
Xylenes, Total	ND		3.00	1	06/26/2022 18:55	WG1885682
Di-isopropyl ether	ND		1.00	1	06/26/2022 18:55	WG1885682
Ethanol	ND		100	1	06/26/2022 18:55	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 18:55	WG1885682
Methyl tert-butyl ether	1.18		1.00	1	06/26/2022 18:55	WG1885682
tert-Butyl alcohol	29.5		5.00	1	06/26/2022 18:55	WG1885682
tert-Amyl Methyl Ether	ND		1.00	1	06/26/2022 18:55	WG1885682
(S) Toluene-d8	*111*		*80.0-120*		*06/26/2022 18:55*	WG1885682
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*06/26/2022 18:55*	WG1885682
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*06/26/2022 18:55*	WG1885682

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	1330		100	1	07/01/2022 23:49	WG1886887
(S) o-Terphenyl	*81.6*		*31.0-160*		*07/01/2022 23:49*	WG1886887

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	361		100	1	06/26/2022 08:29	WG1885331
(S) a,a,a-Trifluorotoluene(FID)	*95.4*		*78.0-120*		*06/26/2022 08:29*	WG1885331

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	06/26/2022 19:16	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 19:16	WG1885682
Benzene	28.4		1.00	1	06/26/2022 19:16	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 19:16	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 19:16	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 19:16	WG1885682
Bromoform	ND		1.00	1	06/26/2022 19:16	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 19:16	WG1885682
n-Butylbenzene	1.67		1.00	1	06/26/2022 19:16	WG1885682
sec-Butylbenzene	1.69		1.00	1	06/26/2022 19:16	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 19:16	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 19:16	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 19:16	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 19:16	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 19:16	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 19:16	WG1885682
Chloroform	ND		5.00	1	06/26/2022 19:16	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 19:16	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 19:16	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 19:16	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 19:16	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 19:16	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 19:16	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 19:16	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 19:16	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 19:16	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 19:16	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 19:16	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 19:16	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 19:16	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 19:16	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 19:16	WG1885682
Ethylbenzene	3.39		1.00	1	06/26/2022 19:16	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 19:16	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 19:16	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 19:16	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 19:16	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 19:16	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 19:16	WG1885682
Naphthalene	ND		5.00	1	06/26/2022 19:16	WG1885682
n-Propylbenzene	2.32		1.00	1	06/26/2022 19:16	WG1885682
Styrene	ND		1.00	1	06/26/2022 19:16	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 19:16	WG1885682
Toluene	ND		1.00	1	06/26/2022 19:16	WG1885682

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	06/26/2022 19:16	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 19:16	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 19:16	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 19:16	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 19:16	WG1885682
1,2,4-Trimethylbenzene	7.39		1.00	1	06/26/2022 19:16	WG1885682
1,3,5-Trimethylbenzene	1.69		1.00	1	06/26/2022 19:16	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 19:16	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 19:16	WG1885682
Xylenes, Total	ND		3.00	1	06/26/2022 19:16	WG1885682
Di-isopropyl ether	ND		1.00	1	06/26/2022 19:16	WG1885682
Ethanol	ND		100	1	06/26/2022 19:16	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 19:16	WG1885682
Methyl tert-butyl ether	4.92		1.00	1	06/26/2022 19:16	WG1885682
tert-Butyl alcohol	ND		5.00	1	06/26/2022 19:16	WG1885682
tert-Amyl Methyl Ether	1.02		1.00	1	06/26/2022 19:16	WG1885682
(S) Toluene-d8	*109*		*80.0-120*		*06/26/2022 19:16*	WG1885682
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*06/26/2022 19:16*	WG1885682
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*06/26/2022 19:16*	WG1885682

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	346	B	100	1	07/02/2022 00:09	WG1886887
(S) o-Terphenyl	*86.3*		*31.0-160*		*07/02/2022 00:09*	WG1886887

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	06/26/2022 08:51	WG1885331
(S) a,a,a-Trifluorotoluene(FID)	*95.4*		*78.0-120*		*06/26/2022 08:51*	WG1885331

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	06/26/2022 19:37	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 19:37	WG1885682
Benzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 19:37	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 19:37	WG1885682
Bromoform	ND		1.00	1	06/26/2022 19:37	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 19:37	WG1885682
n-Butylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
sec-Butylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 19:37	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 19:37	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 19:37	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 19:37	WG1885682
Chloroform	ND		5.00	1	06/26/2022 19:37	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 19:37	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 19:37	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 19:37	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 19:37	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 19:37	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 19:37	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 19:37	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 19:37	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 19:37	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 19:37	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 19:37	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 19:37	WG1885682
Ethylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 19:37	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 19:37	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 19:37	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 19:37	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 19:37	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 19:37	WG1885682
Naphthalene	ND		5.00	1	06/26/2022 19:37	WG1885682
n-Propylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Styrene	ND		1.00	1	06/26/2022 19:37	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 19:37	WG1885682
Toluene	ND		1.00	1	06/26/2022 19:37	WG1885682

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	06/26/2022 19:37	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 19:37	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 19:37	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 19:37	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 19:37	WG1885682
1,2,4-Trimethylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
1,3,5-Trimethylbenzene	ND		1.00	1	06/26/2022 19:37	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 19:37	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 19:37	WG1885682
Xylenes, Total	ND		3.00	1	06/26/2022 19:37	WG1885682
Di-isopropyl ether	ND		1.00	1	06/26/2022 19:37	WG1885682
Ethanol	ND		100	1	06/26/2022 19:37	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 19:37	WG1885682
Methyl tert-butyl ether	ND		1.00	1	06/26/2022 19:37	WG1885682
tert-Butyl alcohol	ND		5.00	1	06/26/2022 19:37	WG1885682
tert-Amyl Methyl Ether	ND		1.00	1	06/26/2022 19:37	WG1885682
(S) Toluene-d8	*112*		*80.0-120*		*06/26/2022 19:37*	WG1885682
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*06/26/2022 19:37*	WG1885682
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*06/26/2022 19:37*	WG1885682

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	07/02/2022 00:29	WG1886887
(S) o-Terphenyl	*72.6*		*31.0-160*		*07/02/2022 00:29*	WG1886887

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	06/26/2022 09:13	WG1885331
(S) a,a,a-Trifluorotoluene(FID)	*96.5*		*78.0-120*		*06/26/2022 09:13*	WG1885331

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	06/26/2022 19:59	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 19:59	WG1885682
Benzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 19:59	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 19:59	WG1885682
Bromoform	ND		1.00	1	06/26/2022 19:59	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 19:59	WG1885682
n-Butylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
sec-Butylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 19:59	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 19:59	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 19:59	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 19:59	WG1885682
Chloroform	ND		5.00	1	06/26/2022 19:59	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 19:59	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 19:59	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 19:59	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 19:59	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 19:59	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 19:59	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 19:59	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 19:59	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 19:59	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 19:59	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 19:59	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 19:59	WG1885682
Ethylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 19:59	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 19:59	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 19:59	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 19:59	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 19:59	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 19:59	WG1885682
Naphthalene	ND		5.00	1	06/26/2022 19:59	WG1885682
n-Propylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Styrene	ND		1.00	1	06/26/2022 19:59	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 19:59	WG1885682
Toluene	ND		1.00	1	06/26/2022 19:59	WG1885682

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	06/26/2022 19:59	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 19:59	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 19:59	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 19:59	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 19:59	WG1885682
1,2,4-Trimethylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
1,3,5-Trimethylbenzene	ND		1.00	1	06/26/2022 19:59	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 19:59	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 19:59	WG1885682
Xylenes, Total	ND		3.00	1	06/26/2022 19:59	WG1885682
Di-isopropyl ether	ND		1.00	1	06/26/2022 19:59	WG1885682
Ethanol	ND		100	1	06/26/2022 19:59	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 19:59	WG1885682
Methyl tert-butyl ether	ND		1.00	1	06/26/2022 19:59	WG1885682
tert-Butyl alcohol	ND		5.00	1	06/26/2022 19:59	WG1885682
tert-Amyl Methyl Ether	ND		1.00	1	06/26/2022 19:59	WG1885682
(S) Toluene-d8	*111*		*80.0-120*		*06/26/2022 19:59*	WG1885682
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*06/26/2022 19:59*	WG1885682
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*06/26/2022 19:59*	WG1885682

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	07/02/2022 00:49	WG1886887
(S) o-Terphenyl	*87.4*		*31.0-160*		*07/02/2022 00:49*	WG1886887

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	06/29/2022 00:11	WG1887074
(S) a,a,a-Trifluorotoluene(FID)	*100*		*78.0-120*		*06/29/2022 00:11*	WG1887074

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	06/26/2022 20:20	WG1885682
Acrylonitrile	ND		10.0	1	06/26/2022 20:20	WG1885682
Benzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Bromobenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Bromochloromethane	ND		1.00	1	06/26/2022 20:20	WG1885682
Bromodichloromethane	ND		1.00	1	06/26/2022 20:20	WG1885682
Bromoform	ND		1.00	1	06/26/2022 20:20	WG1885682
Bromomethane	ND		5.00	1	06/26/2022 20:20	WG1885682
n-Butylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
sec-Butylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
tert-Butylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Carbon tetrachloride	ND		1.00	1	06/26/2022 20:20	WG1885682
Carbon disulfide	ND		1.00	1	06/26/2022 20:20	WG1885682
Chlorobenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Chlorodibromomethane	ND		1.00	1	06/26/2022 20:20	WG1885682
Chloroethane	ND		5.00	1	06/26/2022 20:20	WG1885682
Chloroform	ND		5.00	1	06/26/2022 20:20	WG1885682
Chloromethane	ND		2.50	1	06/26/2022 20:20	WG1885682
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/26/2022 20:20	WG1885682
1,2-Dibromoethane	ND		1.00	1	06/26/2022 20:20	WG1885682
Dibromomethane	ND		1.00	1	06/26/2022 20:20	WG1885682
1,2-Dichlorobenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
1,3-Dichlorobenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
1,4-Dichlorobenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
trans-1,4-Dichloro-2-butene	ND		2.50	1	06/26/2022 20:20	WG1885682
Dichlorodifluoromethane	ND		5.00	1	06/26/2022 20:20	WG1885682
1,1-Dichloroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
1,2-Dichloroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
1,1-Dichloroethene	ND		1.00	1	06/26/2022 20:20	WG1885682
cis-1,2-Dichloroethene	ND		1.00	1	06/26/2022 20:20	WG1885682
trans-1,2-Dichloroethene	ND		1.00	1	06/26/2022 20:20	WG1885682
1,2-Dichloropropane	ND		1.00	1	06/26/2022 20:20	WG1885682
cis-1,3-Dichloropropene	ND		1.00	1	06/26/2022 20:20	WG1885682
trans-1,3-Dichloropropene	ND		1.00	1	06/26/2022 20:20	WG1885682
Ethylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Hexachloro-1,3-butadiene	ND		1.00	1	06/26/2022 20:20	WG1885682
2-Hexanone	ND		10.0	1	06/26/2022 20:20	WG1885682
2-Butanone (MEK)	ND		10.0	1	06/26/2022 20:20	WG1885682
Iodomethane	ND		10.0	1	06/26/2022 20:20	WG1885682
Methylene Chloride	ND		5.00	1	06/26/2022 20:20	WG1885682
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/26/2022 20:20	WG1885682
Naphthalene	ND		5.00	1	06/26/2022 20:20	WG1885682
n-Propylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Styrene	ND		1.00	1	06/26/2022 20:20	WG1885682
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
Tetrachloroethene	ND		1.00	1	06/26/2022 20:20	WG1885682
Toluene	ND		1.00	1	06/26/2022 20:20	WG1885682

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	06/26/2022 20:20	WG1885682
1,1,1-Trichloroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
1,1,2-Trichloroethane	ND		1.00	1	06/26/2022 20:20	WG1885682
Trichloroethene	ND		1.00	1	06/26/2022 20:20	WG1885682
Trichlorofluoromethane	ND		5.00	1	06/26/2022 20:20	WG1885682
1,2,3-Trichloropropane	ND		2.50	1	06/26/2022 20:20	WG1885682
1,2,4-Trimethylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
1,3,5-Trimethylbenzene	ND		1.00	1	06/26/2022 20:20	WG1885682
Vinyl acetate	ND		10.0	1	06/26/2022 20:20	WG1885682
Vinyl chloride	ND		1.00	1	06/26/2022 20:20	WG1885682
Xylenes, Total	ND		3.00	1	06/26/2022 20:20	WG1885682
Di-isopropyl ether	ND		1.00	1	06/26/2022 20:20	WG1885682
Ethanol	ND		100	1	06/26/2022 20:20	WG1885682
Ethyl tert-butyl ether	ND		1.00	1	06/26/2022 20:20	WG1885682
Methyl tert-butyl ether	ND		1.00	1	06/26/2022 20:20	WG1885682
tert-Butyl alcohol	ND		5.00	1	06/26/2022 20:20	WG1885682
tert-Amyl Methyl Ether	ND		1.00	1	06/26/2022 20:20	WG1885682
(S) Toluene-d8	*109*		*80.0-120*		*06/26/2022 20:20*	WG1885682
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*06/26/2022 20:20*	WG1885682
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*06/26/2022 20:20*	WG1885682

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	07/02/2022 01:09	WG1886887
(S) o-Terphenyl	*84.2*		*31.0-160*		*07/02/2022 01:09*	WG1886887

Method Blank (MB)

(MB) R3807999-2 06/24/22 23:18

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)	*97.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3807999-1 06/24/22 22:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5500	4730	86.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*95.3*	*78.0-120*	

Method Blank (MB)

(MB) R3808387-2 06/25/22 22:35

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)	*97.5*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3808387-1 06/25/22 21:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5500	5700	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

Method Blank (MB)

(MB) R3808878-2 06/28/22 22:32

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)	*97.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3808878-1 06/28/22 21:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5500	5250	95.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*97.5*	*78.0-120*	

Method Blank (MB)

(MB) R3807983-2 06/26/22 13:15

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) R3807983-2 06/26/22 13:15

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	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3807983-1 06/26/22 12:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	24.9	99.6	19.0-160	
Acrylonitrile	25.0	24.5	98.0	55.0-149	
Benzene	5.00	4.94	98.8	70.0-123	
Bromobenzene	5.00	4.98	99.6	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3807983-1 06/26/22 12:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	5.00	5.18	104	76.0-122	
Bromodichloromethane	5.00	4.44	88.8	75.0-120	
Bromoform	5.00	3.50	70.0	68.0-132	
Bromomethane	5.00	6.04	121	10.0-160	
n-Butylbenzene	5.00	5.02	100	73.0-125	
sec-Butylbenzene	5.00	5.38	108	75.0-125	
tert-Butylbenzene	5.00	5.08	102	76.0-124	
Carbon tetrachloride	5.00	4.69	93.8	68.0-126	
Carbon disulfide	5.00	4.48	89.6	61.0-128	
Chlorobenzene	5.00	4.81	96.2	80.0-121	
Chlorodibromomethane	5.00	3.88	77.6	77.0-125	
Chloroethane	5.00	6.24	125	47.0-150	
Chloroform	5.00	4.95	99.0	73.0-120	
Chloromethane	5.00	4.51	90.2	41.0-142	
1,2-Dibromo-3-Chloropropane	5.00	3.09	61.8	58.0-134	
1,2-Dibromoethane	5.00	4.58	91.6	80.0-122	
Dibromomethane	5.00	4.78	95.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.95	99.0	79.0-121	
1,3-Dichlorobenzene	5.00	4.86	97.2	79.0-120	
1,4-Dichlorobenzene	5.00	4.55	91.0	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	3.19	63.8	33.0-144	
Dichlorodifluoromethane	5.00	4.40	88.0	51.0-149	
1,1-Dichloroethane	5.00	4.85	97.0	70.0-126	
1,2-Dichloroethane	5.00	4.75	95.0	70.0-128	
1,1-Dichloroethene	5.00	4.58	91.6	71.0-124	
cis-1,2-Dichloroethene	5.00	4.15	83.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.49	89.8	73.0-120	
1,2-Dichloropropane	5.00	4.74	94.8	77.0-125	
cis-1,3-Dichloropropene	5.00	4.41	88.2	80.0-123	
trans-1,3-Dichloropropene	5.00	4.06	81.2	78.0-124	
Ethylbenzene	5.00	4.77	95.4	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.22	104	54.0-138	
2-Hexanone	25.0	25.0	100	67.0-149	
2-Butanone (MEK)	25.0	23.5	94.0	44.0-160	
Iodomethane	25.0	16.2	64.8	33.0-147	
Methylene Chloride	5.00	4.91	98.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	28.0	112	68.0-142	
Naphthalene	5.00	4.27	85.4	54.0-135	
n-Propylbenzene	5.00	5.05	101	77.0-124	
Styrene	5.00	4.26	85.2	73.0-130	

Laboratory Control Sample (LCS)

(LCS) R3807983-1 06/26/22 12:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	4.18	83.6	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.70	94.0	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.99	99.8	69.0-132	
Tetrachloroethene	5.00	5.10	102	72.0-132	
Toluene	5.00	4.97	99.4	79.0-120	
1,2,4-Trichlorobenzene	5.00	4.58	91.6	57.0-137	
1,1,1-Trichloroethane	5.00	4.42	88.4	73.0-124	
1,1,2-Trichloroethane	5.00	4.49	89.8	80.0-120	
Trichloroethene	5.00	4.65	93.0	78.0-124	
Trichlorofluoromethane	5.00	5.70	114	59.0-147	
1,2,3-Trichloropropane	5.00	4.73	94.6	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.00	100	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.04	101	76.0-122	
Vinyl acetate	25.0	23.8	95.2	11.0-160	
Vinyl chloride	5.00	4.89	97.8	67.0-131	
Xylenes, Total	15.0	14.4	96.0	79.0-123	
Di-isopropyl ether	5.00	4.84	96.8	58.0-138	
ethanol	250	227	90.8	10.0-160	
Ethyl tert-butyl ether	5.00	4.73	94.6	63.0-138	
Methyl tert-butyl ether	5.00	4.78	95.6	68.0-125	
tert-Butyl alcohol	25.0	22.5	90.0	27.0-160	
tert-Amyl Methyl Ether	5.00	4.57	91.4	66.0-125	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3810003-1 07/01/22 07:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH (GC/FID) High Fraction	60.2	J	24.7	100
(S) o-Terphenyl	*109*			*31.0-160*

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

(LCS) R3810003-2 07/01/22 07:20 • (LCSD) R3810003-3 07/01/22 07:40

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) High Fraction	1500	1520	1470	101	98.0	50.0-150			3.34	20
(S) o-Terphenyl				*107*	*100*	*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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

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	LA000356
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 - Charlottesville, VA

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: **Annual HRGUA Sampling**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **434-202-7808**

Client Project # **SUN9128**

Lab Project # **ENVTRACCVA-SUN9128**

Collected by (print): P. Shertzer

Site/Facility ID # **Rising Sun Duns# 0651-9128**

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

Quote #

Date Results Needed

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		6/17/22	1230	6			X	X								-01
MW-1		GW			930	7	X	X		X								-02
MW-2		GW			1000	7	X	X		X								-03
MW-3		GW			1130	7	X	X		X								-04
MW-4		GW			1200	7	X	X		X								-05
TF-1		GW			1030	7	X	X		X								-06
TF-2		GW			1100	7	X	X		X								-07

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

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 # 1506810
J094

Acctnum: **ENVTRACCVA**
Template: **T210135**
Prelogin: **P926818**
PM: **3564 - Chad A Upchurch**
PB: 5-25-2022

Shipped Via: **FedEx Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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	If preservation required by Login: Date/Time
	6/17/2022	1630			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.4+0.0=0.4 °C Bottles Received: 47	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-18 Time: 9:00	Hold: Condition: NCF / (OK)

ANALYTICAL REPORT

July 15, 2022

Revised Report

EnviroTrac - Charlottesville, VA

Sample Delivery Group:	L1506810
Samples Received:	06/18/2022
Project Number:	SUN9128
Description:	Annual HRGUA Sampling
Site:	Rising Sun Duns# 0651-9128
Report To:	Eric Shertzer 155 Riverbend Drive Suite A Charlottesville, VA 22911

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

TABLE OF CONTENTS

SAMPLE SUMMARY

PW-1 L1506810-01 GW

Collected by: D. Shertzer
Collected date/time: 06/17/22 12:30
Received date/time: 06/18/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 524.2	WG1883464	1	06/22/22 13:51	06/22/22 13:51	JAH	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

Report Revision History

Level II Report - Version 1: 07/15/22 16:53

Project Narrative

L1506810_r1: Method 524.2 results - L1506810-01 (PW-1)

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.500	1	06/22/2022 13:51	WG1883464
Carbon tetrachloride	ND		0.500	1	06/22/2022 13:51	WG1883464
1,4-Dichlorobenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
1,2-Dichloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1-Dichloroethene	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1,1-Trichloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
Trichloroethene	ND		0.500	1	06/22/2022 13:51	WG1883464
Vinyl chloride	ND		0.500	1	06/22/2022 13:51	WG1883464
1,2,4-Trichlorobenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
cis-1,2-Dichloroethene	ND		0.500	1	06/22/2022 13:51	WG1883464
Xylenes, Total	ND		0.500	1	06/22/2022 13:51	WG1883464
Methylene chloride	ND		0.500	1	06/22/2022 13:51	WG1883464
1,2-Dichlorobenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
trans-1,2-Dichloroethene	ND		0.500	1	06/22/2022 13:51	WG1883464
1,2-Dichloropropane	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1,2-Trichloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
Tetrachloroethene	ND		0.500	1	06/22/2022 13:51	WG1883464
Chlorobenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
Toluene	ND		1.00	1	06/22/2022 13:51	WG1883464
Ethylbenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
Styrene	ND		0.500	1	06/22/2022 13:51	WG1883464
Bromobenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
Bromodichloromethane	ND		0.500	1	06/22/2022 13:51	WG1883464
Bromoform	ND		0.500	1	06/22/2022 13:51	WG1883464
Bromomethane	ND		1.00	1	06/22/2022 13:51	WG1883464
Chlorodibromomethane	ND		0.500	1	06/22/2022 13:51	WG1883464
Chloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
Chloroform	ND		0.500	1	06/22/2022 13:51	WG1883464
Chloromethane	ND		0.500	1	06/22/2022 13:51	WG1883464
2-Chlorotoluene	ND		0.500	1	06/22/2022 13:51	WG1883464
4-Chlorotoluene	ND		0.500	1	06/22/2022 13:51	WG1883464
Dibromomethane	ND		0.500	1	06/22/2022 13:51	WG1883464
Methyl tert-butyl ether	ND		0.500	1	06/22/2022 13:51	WG1883464
1,3-Dichlorobenzene	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1-Dichloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
1,3-Dichloropropane	ND		0.500	1	06/22/2022 13:51	WG1883464
2,2-Dichloropropane	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1-Dichloropropene	ND		0.500	1	06/22/2022 13:51	WG1883464
1,3-Dichloropropene	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1,1,2-Tetrachloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
1,1,2,2-Tetrachloroethane	ND		0.500	1	06/22/2022 13:51	WG1883464
1,2,3-Trichloropropane	ND		0.500	1	06/22/2022 13:51	WG1883464
Di-isopropyl ether	ND		1.00	1	06/22/2022 13:51	WG1883464
tert-Butyl alcohol	ND		5.00	1	06/22/2022 13:51	WG1883464
(S) 4-Bromofluorobenzene	*98.7*		*70.0-130*		*06/22/2022 13:51*	WG1883464
(S) 1,2-Dichlorobenzene-d4	*99.0*		*70.0-130*		*06/22/2022 13:51*	WG1883464

Method Blank (MB)

(MB) R3809816-2 06/22/22 12:44

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	0.710		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	U		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
2,2-Dichloropropane	U		0.0680	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

Method Blank (MB)

(MB) R3809816-2 06/22/22 12:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,2,2-Tetrachloroethane	U		0.0790	0.500
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	*98.5*			*70.0-130*
(S) 1,2-Dichlorobenzene-d4	*94.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3809816-1 06/22/22 12:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.81	96.2	70.0-130	
Carbon tetrachloride	5.00	4.99	99.8	70.0-130	
1,4-Dichlorobenzene	5.00	4.89	97.8	70.0-130	
1,2-Dichloroethane	5.00	4.81	96.2	70.0-130	
1,1-Dichloroethene	5.00	4.65	93.0	70.0-130	
1,1,1-Trichloroethane	5.00	5.02	100	70.0-130	
Trichloroethene	5.00	5.02	100	70.0-130	
Vinyl chloride	5.00	4.89	97.8	70.0-130	
1,2,4-Trichlorobenzene	5.00	5.17	103	70.0-130	
cis-1,2-Dichloroethene	5.00	4.88	97.6	70.0-130	
Xylenes, Total	15.0	14.2	94.7	70.0-130	
Methylene chloride	5.00	4.98	99.6	70.0-130	
1,2-Dichlorobenzene	5.00	4.91	98.2	70.0-130	
trans-1,2-Dichloroethene	5.00	4.80	96.0	70.0-130	
1,2-Dichloropropane	5.00	4.62	92.4	70.0-130	
1,1,2-Trichloroethane	5.00	4.57	91.4	70.0-130	
Tetrachloroethene	5.00	5.02	100	70.0-130	
Chlorobenzene	5.00	4.76	95.2	70.0-130	
Toluene	5.00	4.68	93.6	70.0-130	
Ethylbenzene	5.00	4.86	97.2	70.0-130	
Styrene	5.00	4.70	94.0	70.0-130	
Bromobenzene	5.00	4.83	96.6	70.0-130	
Bromodichloromethane	5.00	4.48	89.6	70.0-130	
Bromoform	5.00	4.52	90.4	70.0-130	
Bromomethane	5.00	4.24	84.8	70.0-130	
Chlorodibromomethane	5.00	4.74	94.8	70.0-130	
Chloroethane	5.00	5.21	104	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3809816-1 06/22/22 12:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroform	5.00	4.81	96.2	70.0-130	
Chloromethane	5.00	4.66	93.2	70.0-130	
2-Chlorotoluene	5.00	4.78	95.6	70.0-130	
4-Chlorotoluene	5.00	4.77	95.4	70.0-130	
Dibromomethane	5.00	4.51	90.2	70.0-130	
Methyl tert-butyl ether	5.00	4.56	91.2	70.0-130	
1,3-Dichlorobenzene	5.00	4.92	98.4	70.0-130	
1,1-Dichloroethane	5.00	4.80	96.0	70.0-130	
1,3-Dichloropropane	5.00	4.63	92.6	70.0-130	
2,2-Dichloropropane	5.00	4.92	98.4	70.0-130	
1,1-Dichloropropene	5.00	4.74	94.8	70.0-130	
1,3-Dichloropropene	10.0	9.06	90.6	70.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.92	98.4	70.0-130	
1,1,2,2-Tetrachloroethane	5.00	4.39	87.8	70.0-130	
1,2,3-Trichloropropane	5.00	4.79	95.8	70.0-130	
Di-isopropyl ether	5.00	4.59	91.8	70.0-130	
tert-Butyl alcohol	25.0	23.8	95.2	70.0-130	
(S) 4-Bromofluorobenzene			*95.4*	*70.0-130*	
(S) 1,2-Dichlorobenzene-d4			*103*	*70.0-130*	

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.
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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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	LA000356
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 - Charlottesville, VA

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: **Annual HRGUA Sampling**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **434-202-7808**

Client Project # **SUN9128**

Lab Project # **ENVTRACCVA-SUN9128**

Collected by (print): P. Shertzer

Site/Facility ID # **Rising Sun Duns# 0651-9128**

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

Quote #

Date Results Needed

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		6/17/22	1230	6			X	X								-01
MW-1		GW			930	7	X	X		X								-02
MW-2		GW			1000	7	X	X		X								-03
MW-3		GW			1130	7	X	X		X								-04
MW-4		GW			1200	7	X	X		X								-05
TF-1		GW			1030	7	X	X		X								-06
TF-2		GW			1100	7	X	X		X								-07

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

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 # 1506810
J094

Acctnum: **ENVTRACCVA**
Template: **T210135**
Prelogin: **P926818**
PM: **3564 - Chad A Upchurch**
PB: 5-25-2022

Shipped Via: **FedEx Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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	If preservation required by Login: Date/Time
	6/17/2022	1630			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.4+0.0=0.4 °C Bottles Received: 47	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-18 Time: 9:00	Hold: Condition: NCF / (OK)

APPENDIX B

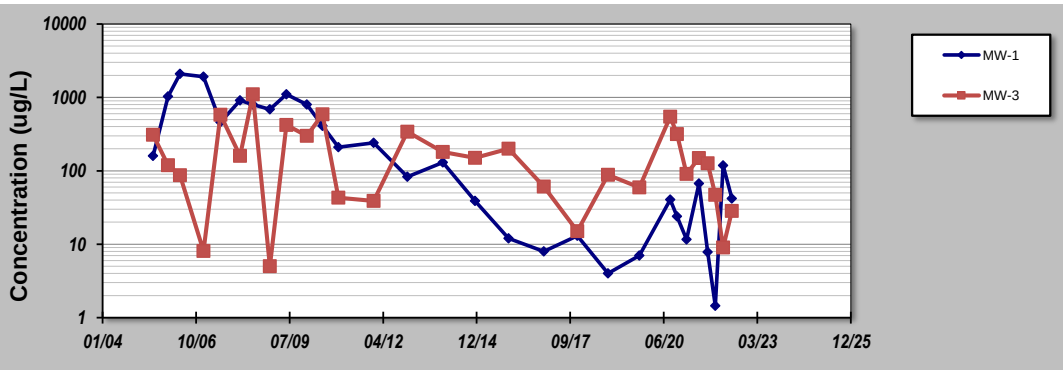
MANN-KENDALL STATISTICAL ANALYSIS

EnviroTrac
Environmental Services

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	27-Jun-22	Job ID:	Sunoco Duns #0651-9128
Facility Name:	Sunoco Duns #0651-9128 (Rising Sun)	Constituent:	Benzene
Conducted By:	T. Mills	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-3					
Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)						
1	7-Jul-05	160	310					
2	14-Dec-05	1030	119					
3	20-Apr-06	2090	87.1					
4	28-Dec-06	1910	8.1					
5	27-Jun-07	460	580					
6	23-Jan-08	910	160					
7	9-Jun-08	800	1100					
8	7-Dec-08	690	5					
9	1-Jun-09	1100	420					
10	6-Jan-10	800	300					
11	22-Jun-10	410	590					
12	9-Dec-10	210	43					
13	22-Dec-11	240	39					
14	17-Dec-12	83	340					
15	30-Dec-13	130	180					
16	9-Dec-14	39	150					
17	2-Dec-15	12	200					
18	14-Dec-16	8	61					
19	7-Dec-17	13	15					
20	30-Oct-18	4	88					
21	2-Oct-19	7	59.4					
22	26-Aug-20	40.6	546					
23	6-Nov-20	23.9	315					
24	17-Feb-21	11.6	90.5					
25	29-Jun-21	67	149					
26	30-Sep-21	7.8	127					
27	21-Dec-21	1.45	47.1					
28	15-Mar-22	118	9.03					
29	17-Jun-22	42	28.4					
30								
Coefficient of Variation:		1.43	1.15					
Mann-Kendall Statistic (S):		-249	-82					
Confidence Factor:		>99.9%	93.5%					
Concentration Trend:		Decreasing	Prob. Decreasing					



Notes:

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

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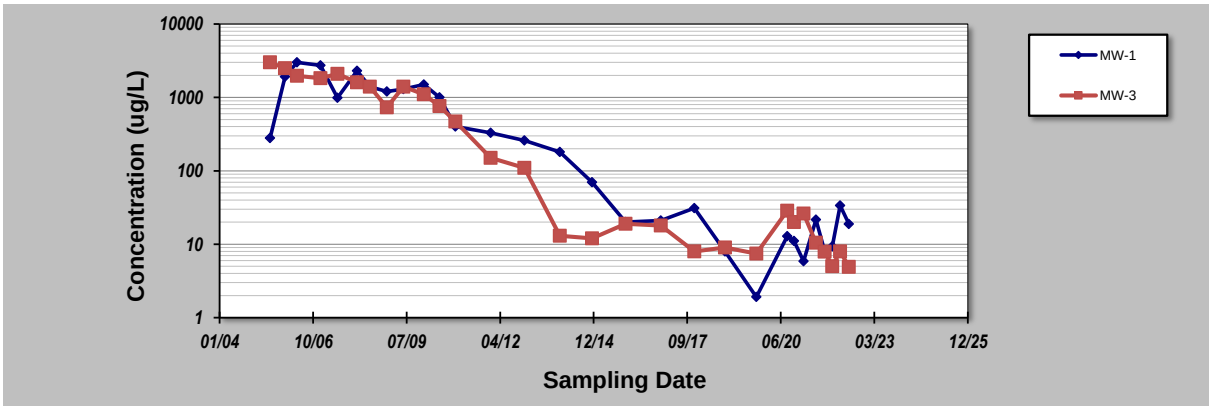
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	27-Jun-22	Job ID:	Sunoco Duns #0651-9128
Facility Name:	Sunoco Duns #0651-9128 (Rising Sun)	Constituent:	MTBE
Conducted By:	T. Mills	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-3					
Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)					
1	7-Jul-05	280	3000				
2	14-Dec-05	1910	2500				
3	20-Apr-06	3000	1970				
4	28-Dec-06	2740	1820				
5	27-Jun-07	990	2100				
6	23-Jan-08	2300	1600				
7	9-Jun-08	1400	1400				
8	7-Dec-08	1200	730				
9	1-Jun-09	1300	1400				
10	6-Jan-10	1500	1100				
11	22-Jun-10	1000	760				
12	9-Dec-10	400	470				
13	22-Dec-11	330	150				
14	17-Dec-12	260	110				
15	30-Dec-13	180	13				
16	9-Dec-14	70	12				
17	2-Dec-15	20	19				
18	14-Dec-16	21	18				
19	7-Dec-17	31	8				
20	30-Oct-18	8	9				
21	2-Oct-19	1.91	7.45				
22	26-Aug-20	12.9	28.6				
23	6-Nov-20	11.1	20				
24	17-Feb-21	5.86	26.2				
25	29-Jun-21	21.6	10.5				
26	30-Sep-21	8.04	7.95				
27	21-Dec-21	9.34	5				
28	15-Mar-22	33.6	7.96				
29	17-Jun-22	18.8	4.92				
30							
Coefficient of Variation:		1.37	1.36				
Mann-Kendall Statistic (S):		-276	-327				
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.

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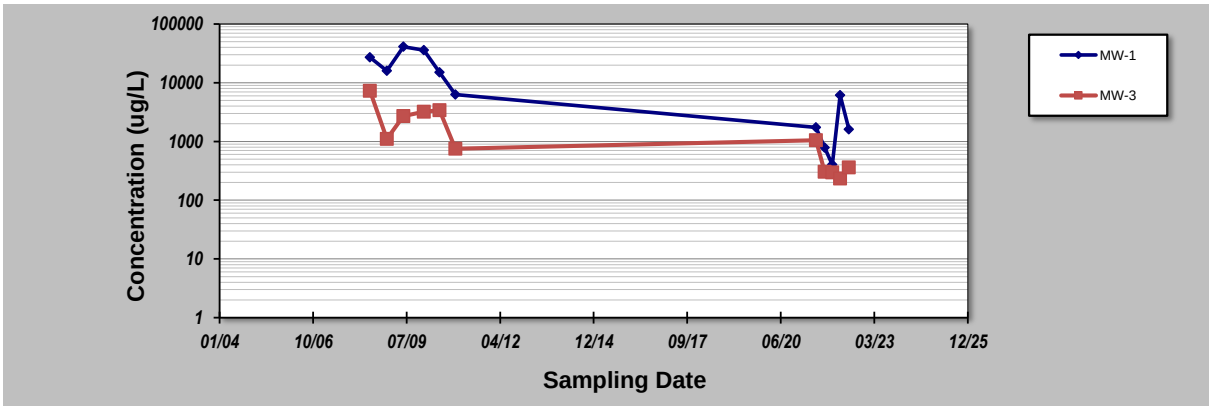
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	27-Jun-22	Job ID:	Sunoco Duns #0651-9128
Facility Name:	Sunoco Duns #0651-9128 (Rising Sun)	Constituent:	TPH GRO
Conducted By:	T. Mills	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-3					
Sampling Event	Sampling Date	TPH GRO CONCENTRATION (ug/L)						
1	7-Jul-05							
2	14-Dec-05							
3	20-Apr-06							
4	28-Dec-06							
5	27-Jun-07							
6	23-Jan-08							
7	9-Jun-08	27000	7300					
8	7-Dec-08	16000	1100					
9	1-Jun-09	41000	2700					
10	6-Jan-10	36000	3200					
11	22-Jun-10	15000	3400					
12	9-Dec-10	6300	750					
13	22-Dec-11							
14	17-Dec-12							
15	30-Dec-13							
16	9-Dec-14							
17	2-Dec-15							
18	14-Dec-16							
19	7-Dec-17							
20	30-Oct-18							
21	2-Oct-19							
22	26-Aug-20							
23	6-Nov-20							
24	17-Feb-21							
25	29-Jun-21	1730	1050					
26	30-Sep-21	786	305					
27	21-Dec-21	402	296					
28	15-Mar-22	6150	234					
29	17-Jun-22	1610	361					
30								
Coefficient of Variation:		1.07	1.15					
Mann-Kendall Statistic (S):		-37	-35					
Confidence Factor:		99.8%	99.7%					
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.

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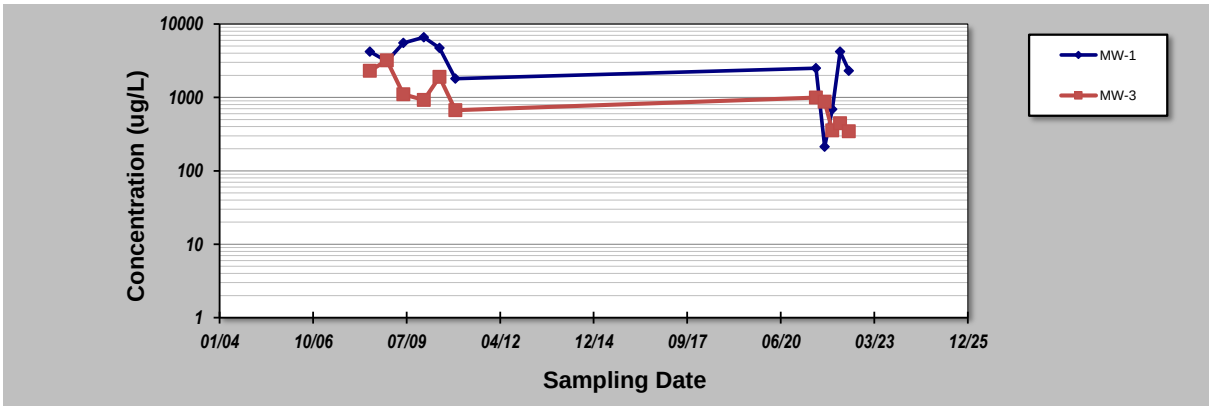
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	27-Jun-22	Job ID:	Sunoco Duns #0651-9128
Facility Name:	Sunoco Duns #0651-9128 (Rising Sun)	Constituent:	TPH DRO
Conducted By:	T. Mills	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-3					
Sampling Event	Sampling Date	TPH DRO CONCENTRATION (ug/L)						
1	7-Jul-05							
2	14-Dec-05							
3	20-Apr-06							
4	28-Dec-06							
5	27-Jun-07							
6	23-Jan-08							
7	9-Jun-08	4200	2300					
8	7-Dec-08	3100	3200					
9	1-Jun-09	5500	1100					
10	6-Jan-10	6600	920					
11	22-Jun-10	4700	1900					
12	9-Dec-10	1800	670					
13	22-Dec-11							
14	17-Dec-12							
15	30-Dec-13							
16	9-Dec-14							
17	2-Dec-15							
18	14-Dec-16							
19	7-Dec-17							
20	30-Oct-18							
21	2-Oct-19							
22	26-Aug-20							
23	6-Nov-20							
24	17-Feb-21							
25	29-Jun-21	2500	992					
26	30-Sep-21	213	871					
27	21-Dec-21	689	354					
28	15-Mar-22	4210	446					
29	17-Jun-22	2300	346					
30								
Coefficient of Variation:		0.61	0.76					
Mann-Kendall Statistic (S):		-19	-41					
Confidence Factor:		91.8%	100.0%					
Concentration Trend:		Prob. 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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