Quarterly Progress Report

First Quarter 2022 Reporting Period

August 2022

FF/NN Landfill NPL Site
Ripon, Wisconsin

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1.0 Introduction

In April 2019, TRC was retained by the FF/NN Landfill Potentially Responsible Party (PRP) Group (Group) to conduct operations and maintenance (O&M) and quarterly monitoring activities at the FF/NN Landfill NPL Site (Site), in Ripon, Wisconsin. This Quarterly Progress Report presents site activities during the First Quarter (Q1) of 2022 and is intended to fulfill applicable portions of reporting requirements specified in the Revised Groundwater Monitoring Program (GMP) as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) (WDNR, 2013; 2017).

2.0 Quarterly Changes and Important Dates

This section describes important dates tasks were performed, changes in routine tasks, and exceptions to the GMP made in Q1 2022.

2.1 Quarterly Changes

No changes nor exceptions were made in Q1 2022 to routine tasks, monitoring, site activities, or to the GMP.

2.2 Dates of Importance

The following dates detail sampling events, deliverables, correspondence, and meetings:

- January 18, 2022, GEMS transmittal, Fourth Quarter 2021 monitoring data.
- January 31, 2022, Fourth Quarter 2021 Quarterly Progress Report submitted to WDNR (TRC, 2022).
- March 22-23, 2022, First Quarter 2022 groundwater sampling event in accordance with the GMP (WDNR, 2013, 2017).

3.0 Summary of Observation and Monitoring Data

3.1 Water Elevation Measurements

In accordance with the GMP (WDNR 2013; 2017), groundwater elevations were measured at 12 monitoring wells associated with the Site on March 22, 2022. Field forms from the Q1 2022 measurement event are included in Appendix A and elevations are summarized in Table 1. Groundwater monitoring wells associated with the FF/NN Landfill site are grouped into four hydrostratigraphic units (Layer 1, Layer 2, Layer 3, and Layer 4) based on well screen elevations. Layer designations for the wells monitored during Q1 are included in Table 1.

3.1.1 Layer 4 Groundwater Elevations

The estimated groundwater flow direction in Layer 4 based on data collected in Q1 2022 is to the southwest as shown on Figure 1. The City of Ripon occasionally pumps from Municipal Well #9, which can influence the groundwater flow direction in Layer 4 by drawing groundwater toward the southeast. Conversations with Mr. Jeremy Jess, Utility Manager for the City of Ripon, confirmed

that Well #9 was periodically operational during the Q1 2022 sampling event. When Well #9 is operational, groundwater flow often is toward the southeast.

3.2 Groundwater Quality Monitoring

This subsection includes an evaluation of the groundwater quality for the Q1 2021 reporting period.

3.2.1 First Quarter 2022

Groundwater samples were collected by TRC using low-flow sampling methods from 12 monitoring wells on March 22 and 23, 2022. Groundwater samples were analyzed by CT Laboratories for volatile organic compounds (VOCs) (EPA Method 8260C), nitrate + nitrite as nitrogen (EPA 353.2), sulfate (EPA 9056A), and manganese (EPA 6010C). Field parameters were measured at all monitoring wells including dissolved oxygen (DO), oxygen-reduction potential (ORP), temperature, pH, and specific conductance. Field parameters were measured during sampling using an In-Situ Smart Troll MP meter and flow-through cell. Field forms are included in Appendix A and the laboratory analytical report is included in Appendix B. Groundwater results exceeding Wisconsin Administrative Code (WAC) Chapter NR 140 Enforcement Standards (ES) and Preventive Action Limits (PAL) are included in Table 2. A summary of results for all detected parameters is provided in Table 3.

3.2.1.1 Volatile Organic Compound Parameters

Chlorinated VOCs (CVOCs) are the contaminants of concern (COC) at the Site, including trichloroethene (TCE) and its dechlorination products; cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC). In the 12 wells sampled during the Q1 2022, VC was the only COC detected at concentrations above the ES and PAL. The following summarizes the distribution of VOCs detected in each hydrostratigraphic unit:

- Wells in Layer 1 and Layer 2 were not sampled during Q1 2022.
- Nine monitoring wells were sampled in Layer 3. VC exceeded the ES in samples collected from wells P-103D, P-111D, P-114, P-115, and P-117. VC was detected above the PAL in samples collected from wells MW-003B and P-118.
- Three monitoring wells were sampled in Layer 4. VC exceeded the ES in the sample collected from P-107D. This detection is within the historical range of concentrations detected in samples from this well.
- Other VOC detections were at concentrations below their respective PALs and are summarized in Table 3.
- Trip blanks and method blanks were analyzed during the Q1 2022 sampling event and results indicated:
  - Methylene chloride was detected in the trip blank, however this parameter was not detected in any of the samples.

3.3 Landfill Gas Extraction System Operations

Landfill gas is extracted from gas vents GV-4 and GV-6 and the three leachate collection wells (LC-1, LC-2, and LC-3). The other gas vents have remained closed to prevent oxygen levels from increasing above 5% by volume. This subsection includes a discussion of system repairs and an evaluation of landfill gas monitoring results at the Site during Q1 2022. Table 4 summarizes the results of landfill gas monitoring during this reporting period.

3.3.1 Landfill Gas Extraction System Troubleshooting and Repairs

3.3.1.1 System Repairs

During Q1 2022 the GES was shut down for approximately 5 minutes on multiple occasions to restore the connection to the Proview Controller. The Proview Controller provides remote communication via cellular modem for remote monitoring of equipment operations. These shutdowns were completed to reset the modem to restore remote access. However, the modem required further repairs from EOS Research Ltd. which was coordinated during this quarter and a remote repair was scheduled for Q2 based on contractor's availability. The GES shutdown sometime between the March 22, 2022 site visit and the end of the quarter due to a broken extraction line near the blower. Repairs were made and the system was restarted on April 22, 2022. Further details will be included in the Q2 report.

3.3.2 Landfill Gas Measurements

Sections below discuss observations noted during landfill gas monitoring and subsequent adjustments made to the system to improve treatment performance.

3.3.2.1 Gas Extraction Well Monitoring

TRC or the City of Ripon personnel were onsite on a biweekly basis while the system was operating between January 13, and March 22, 2022 to inspect and monitor the landfill gas extraction system. Gas measurements (% oxygen, methane, and carbon dioxide) and vacuum readings were periodically collected from the five gas extraction points (LC-1, LC-2, LC-3, GV-4, and GV-6) when the system was in operation. In addition, gas measurements were collected from gas probes GP-1 and GP-2, the blower exhaust, and ambient air (background) for comparison purposes. TRC and/or the City of Ripon adjusted valve positioning on the extraction well headers to optimize the landfill gas extraction system, as needed. Repositioning was based on measured methane and oxygen concentrations and vacuum readings recorded during the monitoring events. Note gas vents GV-4 and GV-6 were fully closed periodically during Q1 due to low methane and higher oxygen observed in these extraction points. A summary of the monitoring data from each visit are included in Table 4.

3.3.2.2 Gas Probe Monitoring

TRC personnel were onsite on March 22, 2022 for the quarterly site visit. Gas measurements were collected (% oxygen, methane, and carbon dioxide) from the 10 existing gas probes (GP) including GP-1 through GP-7 and GP-10 through GP-12 located surrounding the landfill. As noted above, gas probes GP-1 and GP-2 were also monitored during the biweekly site visits. Overall, during Q1 2022, offsite methane migration was not observed. Based on the results of the gas

probe monitoring during Q1 2022, current system operations are controlling offsite methane migration.

4.0 References

TRC. 2022. Quarterly Progress Report, Fourth Quarter 2021 Reporting Period, FF/NN Landfill NPL Site, Ripon, Wisconsin. January 31, 2022.

WDNR. 2013. Conditional Approval of Revised Groundwater Monitoring Program for the Ripon HWY FF/NN Landfill. Ripon HWY FF/NN Landfill, License #467, Ripon, WI, WDNR BRRTS #02-20-000915. April 18, 2013.

WDNR. 2017. Proposed Second Replacement Sentinel Monitoring Well Work Plan Approval for Ripon HWY FF/NN Landfill. License #467, Ripon, WI, WDNR BRRTS #02-20-000915. June 8, 2017.

Table 1: Water Levels
FF/NN Landfill
Ripon, Wisconsin
First Quarter 2022

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q1 Depth to Water (Feet)	Q1 GW Elevation (Feet AMSL)
			3/22/2022	3/22/2022
P-103D	3	872.91	51.38	821.53
P-107D	4	871.90	53.49	818.41
P-111D	3	855.56	36.13	819.43
P-113A	4	833.16	15.14	818.02
P-113B	3	833.16	14.63	818.53
P-114	3	839.36	20.80	818.56
P-115 (WIESE)	3	842.67	24.01	818.66
P-116 (HADEL)	3	845.86	27.90	817.96
P-117	3	833.96	16.63	817.33
P-118	3	826.74	9.56	817.18
MW-003A	4	850.60	32.23	818.37
MW-003B	3	850.89	30.92	819.97

Notes:
GW = Groundwater
TOC = Top of Casing
AMSL = Above Mean Sea Level

Created by: P. Popp, 4/12/2022
Checked by: S. Sellwood, 4/27/2022

Table 2: Parameters That Exceed Current NR140 Standards
FF/NN Landfill
Ripon, Wisconsin
First Quarter 2022

Chemical Parameter	Units	NR140 PAL	NR140 ES	Well ID	Date	Result	Data Flags	Exceedance
Manganese, dissolved	µg/L	25	50	MW-003A	3/22/2022	**413**		ES
				MW-003B	3/22/2022	**105**		ES
				P-103D	3/22/2022	**82.2**		ES
				P-107D	3/22/2022	**188**		ES
				P-111D	3/23/2022	*30.3*		PAL
				P-113B	3/23/2022	*35.6*		PAL
				P-114	3/23/2022	**61.2**		ES
				P-115 (WIESE)	3/23/2022	**107**		ES
				P-115 (WIESE) DUP	3/23/2022	**108**		ES
				P-116 (HADEL)	3/23/2022	**83.8**		ES
				P-117	3/23/2022	**200**		ES
				P-118	3/23/2022	**65.1**		ES
Methylene chloride	µg/L	0.5	5	TRIP BLANK	3/22/2022	*0.53*		PAL
Vinyl chloride	µg/L	0.02	0.2	MW-003B	3/22/2022	*0.046*	J	PAL
				P-103D	3/22/2022	**0.20**		ES
				P-107D	3/22/2022	**4.0**		ES
				P-111D	3/23/2022	**3.0**		ES
				P-114	3/23/2022	**6.1**		ES
				P-115 (WIESE)	3/23/2022	**0.33**		ES
				P-115 (WIESE) DUP	3/23/2022	**0.34**		ES
				P-117	3/23/2022	**0.90**		ES
				P-118	3/23/2022	*0.091*	J	PAL

Notes:

Created by: P. Popp, 4/12/2022

Checked by: S. Sellwood, 4/27/2022

1. µg/l = micrograms per liter (ppb).
2. mg/L = milligrams per liter (ppm).
2. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
4. **BOLD** = Exceedence (or potential exceedence if J- flagged) of the NR 140, WAC ES.
5. *Italics* = Exceedence (or potential exceedence if J- flagged) of the NR 140, WAC PAL.
6. J = Reported concentration is estimated.

Table 3: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
First Quarter 2022

Parameter	Units	NR140 ES	NR 140 PAL	MW-003A 3/22/2022 1122442	MW-003B 3/22/2022 1122444	P-103D 3/22/2022 1122445	P-107D 3/22/2022 1122446	P-111D 3/23/2022 1122447	P-113A 3/23/2022 1122448	P-113B 3/23/2022 1122449	P-114 3/23/2022 1122450
Field Parameters											
pH, field	SU			7.19	7.36	7.19	7.07	7.23	7.18	7.20	7.08
Conductance, specific	µmhos/cm			546.6	649.6	765.1	617	840.4	512.7	625.8	728.4
ORP	mV			49.9	13.9	3.2	26.6	28.5	99.1	-66.7	-3.6
Oxygen, dissolved	mg/L			0.37	0.26	0.48	1.98	0.26	1.38	0.27	0.25
Turbidity, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Turbidity, field	NTU			0.7	0.6	0.9	0.5	0.9	1.1	0.9	1.4
Temperature	Deg C			8.60	8.88	9.03	9.45	9.17	9.60	9.53	9.53
Color, field				NONE	GREY	NONE	NONE	NONE	NONE	NONE	NONE
Odor, field				NONE	SULFUR	NONE	NONE	NONE	NONE	NONE	NONE
Inorganic Analytes											
Sulfate, total	mg/L	250	125	19	48	67	29	56	11	72	60
Manganese, dissolved	µg/L	50	25	**413**	**105**	**82.2**	**188**	*30.3*	12.1	*35.6*	**61.2**
Organic Analytes											
Benzene	µg/L	5	0.5	< 0.022	< 0.022	0.026 J	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	1.2 J	0.62 J	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	< 0.023	0.27	1.7	3.3	< 0.023	< 0.023	1.8
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	0.055 J	< 0.02	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	0.056 J	0.11	< 0.022	< 0.022	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	*0.046 J*	**0.20**	**4.0**	**3.0**	< 0.019	< 0.019	**6.1**

Notes:

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Metals analyzed using EPA Method 6010.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
9. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
10. **BOLD** = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.

Table 3: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
First Quarter 2022

Parameter	Units	NR140 ES	NR 140 PAL	P-115 (WIESE) 3/23/2022 1122451	P-115 (WIESE) D 3/23/2022 1122455	P-116 (HADEL) 3/23/2022 1122452	P-117 3/23/2022 1122453	P-118 3/23/2022 1122454	TRIP BLANK 3/22/2022 1122456
Field Parameters									
pH, field	SU			7.25		7.28	7.14	7.28	
Conductance, specific	µmhos/cm			576.5		484.5	742.3	595.7	
ORP	mV			4.6		65.6	27.9	39.3	
Oxygen, dissolved	mg/L			0.24		0.35	0.40	0.35	
Turbidity, field				NONE		NONE	NONE	NONE	
Turbidity, field	NTU			6.2		11.2	0.7	1.7	
Temperature	Deg C			9.85		8.66	9.97	10.05	
Color, field				NONE		NONE	NONE	NONE	
Odor, field				NONE		NONE	NONE	NONE	
Inorganic Analytes									
Sulfate, total	mg/L	250	125	31	33	13	55	27	
Manganese, dissolved	µg/L	50	25	**107**	**108**	**83.8**	**200**	**65.1**	
Organic Analytes									
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	0.023 J	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	0.18	0.18	< 0.023	0.71	< 0.023	< 0.023
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	*0.53*
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	0.049 J	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	**0.33**	**0.34**	< 0.019	**0.90**	*0.091 J*	< 0.019

Notes:

Created by: P. Popp, 4/12/2022

Checked by: S. Sellwood, 4/27/2022

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Metals analyzed using EPA Method 6010.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
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10. **BOLD** = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.

Table 4: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Fourth Quarter 2021

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
Background	13:13	1/13/2022	0.0	0.0	20.9	79.1	
	13:37	1/24/2022	0.0	0.0	20.9	79.1	
	13:01	2/9/2022	0.0	0.0	20.9	79.1	
	12:53	2/24/2022	0.0	0.0	20.9	79.1	
	13:26	3/10/2022	0.0	0.0	20.9	79.1	
	8:05	3/22/2022	0.0	0.0	20.8	79.2	
LC-1	13:43	1/13/2022	21.5	26.4	2.4	49.7	
	14:07	1/24/2022	20.5	28.2	2.3	49.0	
	13:27	2/9/2022	22.0	26.2	2.8	49.0	
	13:19	2/24/2022	15.5	25.2	1.7	57.6	
	13:49	3/10/2022	13.0	20.2	4.4	62.4	
	10:53	3/22/2022	18.4	22.6	0.7	58.3	
LC-2	13:54	1/13/2022	46.0	33.2	1.1	19.7	
	14:23	1/24/2022	32.0	26.4	5.3	36.3	
	13:35	2/9/2022	9.5	4.0	16.4	70.1	
	13:29	2/24/2022	38.0	32.0	1.7	28.3	
	14:00	3/10/2022	39.0	30.8	1.3	28.9	
	10:35	3/22/2022	24.5	17.2	8.3	50.0	
LC-3	13:51	1/13/2022	30.5	30.0	2.2	37.3	
	14:17	1/24/2022	29.5	32.4	2.2	35.9	
	13:33	2/9/2022	19.5	21.6	2.8	56.1	
	13:25	2/24/2022	23.5	26.4	3.4	46.7	
	13:56	3/10/2022	24.0	25.8	3.2	47.0	
	11:02	3/22/3022	26.9	24.1	2.5	46.5	
GV-4	13:39	1/13/2022	0.0	0.0	20.9	79.1	
	14:04	1/24/2022	0.0	0.0	20.9	79.1	
	13:24	2/9/2022	0.0	0.0	20.9	79.1	
	13:15	2/24/2022	0.0	0.0	20.9	79.1	
	-	3/10/2022	-	-	-	-	Frozen sample connection
	10:57	3/22/2022	0.0	0.1	20.8	79.1	
GV-6	13:47	1/13/2022	7.0	12.2	8.4	72.4	
	-	1/24/2022	-	-	-	-	Frozen Sample Connection
	13:30	2/9/2022	7.0	11.4	9.6	72.0	
	-	2/24/2022	-	-	-	-	Frozen Sample Connection
	-	3/10/2022	-	-	-	-	Frozen Sample Connection - Well Side
	10:44	3/22/2022	3.9	8.1	12.0	76.0	
GP-1	13:13	1/13/2022	0.0	7.2	11.0	81.8	
	14:13	1/13/2022	0.0	7.2	11.2	81.6	
	13:38	1/24/2022	0.0	8.0	10.4	81.6	
	14:38	1/24/2022	0.0	8.4	10.4	81.2	
	13:02	2/9/2022	0.0	7.8	8.7	83.5	
	14:02	2/9/2022	0.0	8.2	8.6	83.2	
	12:55	2/24/2022	0.0	6.4	12.3	81.3	
	13:57	2/24/2022	0.0	6.2	12.2	81.6	
	13:27	3/10/2022	0.0	4.6	9.8	85.6	
	14:27	3/10/2022	0.0	4.6	10.0	85.4	
	10:31	3/22/2022	0.0	3.8	10.6	85.6	
	11:17	3/22/2022	0.0	3.8	10.5	85.7	
GP-2	13:33	1/13/2022	0.0	6.4	12.0	81.6	
	13:55	1/24/2022	0.0	0.6	20.9	78.5	
	13:20	2/9/2022	0.0	5.8	12.5	81.7	
	-	2/24/2022	-	-	-	-	Frozen Sample Connection
	13:42	3/10/2022	0.0	6.4	10.7	82.9	
	12:17	3/22/2022	0.0	1.2	19.0	79.8	
GP-3	12:21	3/22/2022	0.0	2.4	17.8	79.8	
GP-4	12:25	3/22/2022	0.0	1.3	19.7	79.0	
GP-5	11:47	3/22/2022	0.0	1.6	18.9	79.5	

Table 4: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Fourth Quarter 2021

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
GP-6	12:41	3/22/2022	0.0	1.3	19.9	78.8	
GP-7	12:31	3/22/2022	0.0	3.5	16.3	80.2	
GP-10	12:02	3/22/2022	0.0	3.9	12.7	83.4	
GP-11	12:07	3/22/2022	0.0	2.7	17.6	79.7	
GP-12	11:54	3/22/2022	0.0	1.5	19	79.5	
Exhaust	13:21	1/13/2022	2.5	2.8	18.5	76.3	
	13:45	1/24/2022	2.1	2.6	18.8	76.5	
	13:08	2/9/2022	2.8	3.0	18.4	75.9	
	13:01	2/24/2022	2.5	3.2	18.1	76.3	
	13:33	3/10/2022	2.2	2.8	18.5	76.6	
	10:25	3/22/2022	1.7	2.2	19.0	77.1	
MW-101	12:12	3/22/2022	0.0	1	19.8	79.2	
MW-102	11:49	3/22/2022	0.0	0.9	19.9	79.2	
MW-103	12:47	3/22/2022	0.0	0.1	20.7	79.2	
MW-104	13:01	3/22/2022	0.0	8.0	10.7	81.3	

Notes:

CH_4 = Methane

CO_2 = Carbon Dioxide

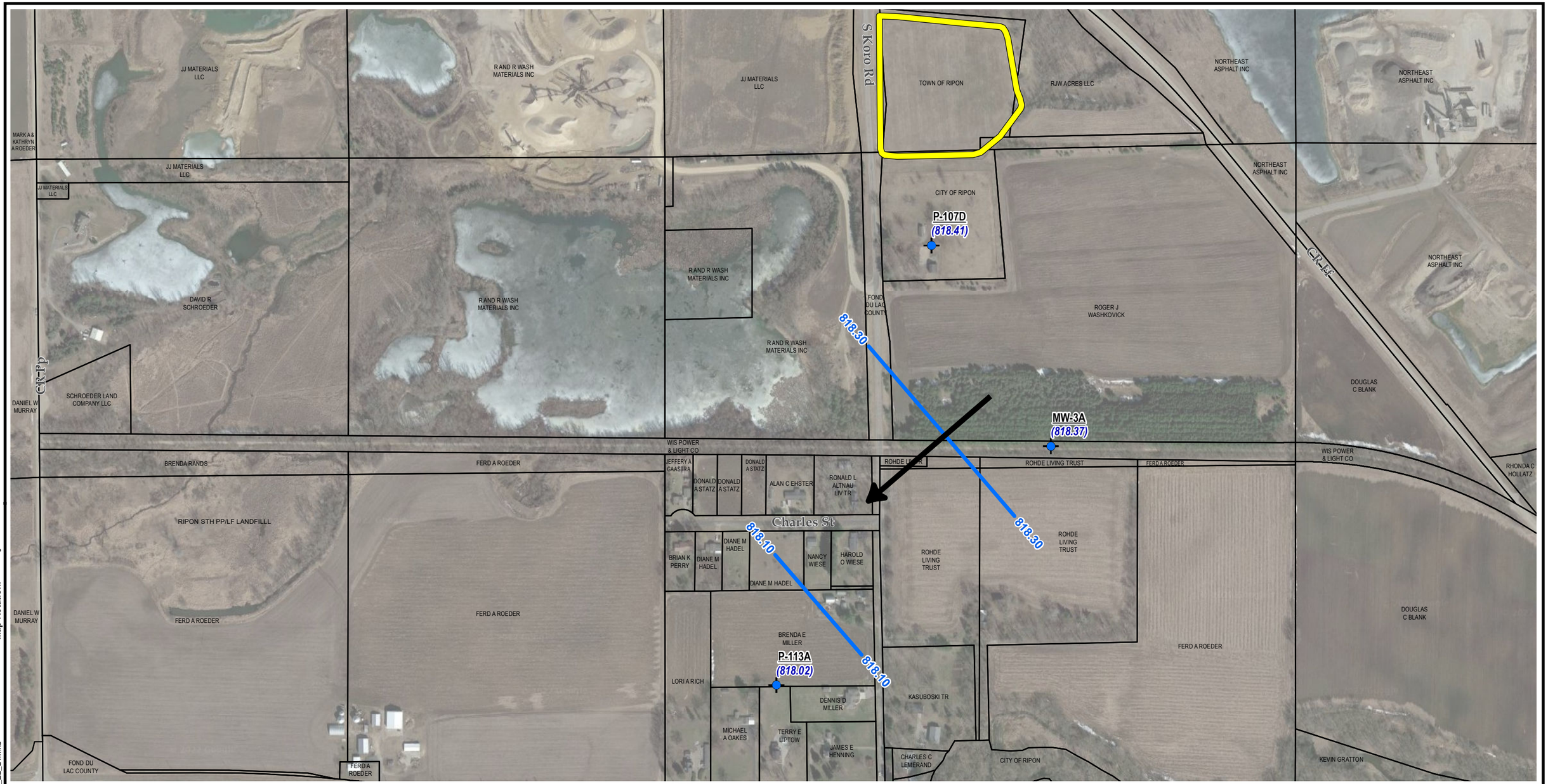
O_2 = Oxygen

N = Nitrogen

% = Percent

Updated By: Andrew Stehn 7/23/2022

Checked by: A. Ruetten 7/25/2022



LEGEND

- **MW-112** *(818.02)* — MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- PRESUMED GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- TAX PARCEL
- RIPON FF/NN LANDFILL

NOTES

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO., (4/21/2017).

0 200 400 Feet

1 " = 400 '

1:4,800

PROJECT:
FF/NN LANDFILL NPL SITE
RIPON, WI
FIRST QUARTER 2022 REPORTING

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 1 LAYER 4 WELLS
MARCH 22, 2022

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	472213
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 2**
DATE:	AUGUST 2022		

TRC
6737 W Washington St., Suite 2100
West Allis, WI 53214
Phone: 262.879.1212
www.trcsolutions.com

FILE NO.: 472213-2022-Q1-001-GW_EL_L4.mxd

Plot Date: 8/23/2022, 09:49:50 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\Ripon\472213-2022-Q1-001-GW_EL_L4.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS

Appendix A: Site Inspection Reports

PROJECT NAME:	Ripon FF/NN Landfill
PROJECT NUMBER:	472213
PROJECT MANAGER:	Andy Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	3/22/2022 TO 3/23/2022
PURPOSE OF FIELDWORK:	Quarterly Sampling
WORK PERFORMED BY:	Wesley Braga

4/12/22		5/3/22	
SIGNED	DATE	CHECKED BY	DATE

GENERAL NOTES

PROJECT NAME: Ripon FF/NN Landfill	DATE: 3/22/2022	TIME ARRIVED: 8:00
PROJECT NUMBER: 472213	AUTHOR: W.Braga	TIME LEFT: 16:45

WEATHER		
TEMPERATURE: 40 °F	WIND: 5-15 MPH	VISIBILITY: Rain

WORK / SAMPLING PERFORMED
John Roelke and Andrew Ruetten Collected groundwater elevations and completed landfill gas monitoring.
Sampled wells: MW-3A, MW-3B, P-103D, P-107D, P-111D, P-117, P-118.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS

Wesley J Braga 4/12/22

SIGNED DATE

Andrew Ruetten 5/3/22

CHECKED BY DATE

GENERAL NOTES

ARAR

PROJECT NAME: Ripon FF/NN Landfill	DATE: 3/23/2022	TIME ARRIVED: 7:45
PROJECT NUMBER: 472213	AUTHOR: W.Braga	TIME LEFT: 15:15

WEATHER		
TEMPERATURE: 35 °F	WIND: 5-15 MPH	VISIBILITY: Rain

WORK / SAMPLING PERFORMED
Sampled wells: P-113A, P-113B, P-114, P-115, P-116.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS

Wesley J Braga 4/12/22

SIGNED DATE

Andrew Rutter 5/3/22

CHECKED BY DATE

WATER LEVEL DATA

PROJECT NAME:	Ripon FF/NN Landfill	DATE:	3/22/22
PROJECT NUMBER:	472213	AUTHOR:	WB/JR/AR

WELL LOCATION	DATE MEASURED	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	PRODUCT THICKNESS (IN)	WATER ELEVATION
MW-3A	03/22/22	9:09	850.60	32.23	NM	--	None	818.37
MW-3B	03/22/22	9:12	850.89	30.92	NM	--	None	819.97
P-103D	03/22/22	8:56	872.91	51.38	NM	--	None	821.53
P-107D	03/22/22	8:46	871.90	53.49	NM	--	None	818.41
P-111D	03/22/22	9:03	855.56	36.13	NM	--	None	819.43
P-113A	03/22/22	9:32	833.16	15.14	NM	--	None	818.02
P-113B	03/22/22	9:34	833.16	14.63	NM	--	None	818.53
P-114	03/22/22	9:40	839.36	20.80	NM	--	None	818.56
P-115	03/22/22	9:43	842.67	24.01	NM	--	None	818.66
P-116	03/22/22	9:50	845.86	27.90	NM	--	None	817.96
P-117	03/22/22	9:17	833.96	16.63	NM	--	None	817.33
P-118	03/22/22	9:22	826.74	9.56	NM	--	None	817.18

SIGNED 4/12/22 DATE

CHECKED 5/3/22 DATE

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **3/22/22**	BY: AR	DATE: 5/3/22
WELL ID:	**MW-3A**	UNIQUE SAMPLE ID: MW-3A-202203		WELL DIAMETER:	2 in

WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:

PURGING	TIME: **14:00**	DATE: **03/22/22**	SAMPLE:	TIME: **15:00**	DATE: **03/22/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.19** SU	CONDUCTIVITY: **546.6**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.37** mg/l	ORP: **49.9**	mV
DEPTH TO WATER:	**32.23** T/ PVC		TURBIDITY: **0.7** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **8.60** °C	OTHER:	**--**
VOLUME REMOVED:	**12.0** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
14:00	200	7.79	528.1	3.08	7.56	43.8	NR	NR	0.0
14:05	200	7.59	535.4	1.75	7.50	-66.4	7.6	33.03	1.0
14:10	200	7.79	542.2	1.07	7.41	-69.2	7.9	33.03	2.0
14:15	200	7.88	545.2	0.75	7.33	-66.0	7.6	33.03	3.0
14:20	200	7.93	545.5	0.62	7.28	-54.4	6.7	33.03	4.0
14:25	200	8.00	546.0	0.55	7.25	45.6	5.3	33.03	5.0
14:30	200	8.03	546.2	0.51	7.23	-10.9	5.9	33.03	6.0
14:35	200	8.06	545.5	0.49	7.21	10.0	4.7	33.03	7.0
14:40	200	8.00	546.1	0.48	7.21	26.9	3.7	33.03	8.0
14:45	200	7.98	546.2	0.48	7.20	38.6	3.8	33.03	9.0
14:50	200	8.03	546.6	0.48	7.20	46.4	1.4	33.03	10.0
14:55	200	8.36	548.1	0.43	7.19	48.9	0.9	33.03	11.0
15:00	200	8.60	546.6	0.37	7.19	49.9	0.7	33.03	12.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

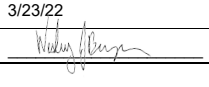
PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **AR**	DATE: **3/22/22**	BY: WB	DATE: 5/3/22	
WELL ID: MW-3B	UNIQUE SAMPLE ID: MW-3B-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					

PURGING	TIME: **15:06**	DATE: **03/22/22**	SAMPLE:	TIME: **15:31**	DATE: **03/22/22**		
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.36** SU	CONDUCTIVITY: **649.6** umhos/cm			
STABILIZATION CRITERIA: TRC SOP			DO: **0.26** mg/l	ORP: **13.9** mV			
DEPTH TO WATER: **30.92** T/ PVC			TURBIDITY: **0.6** NTU				
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY				
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **8.88** °C	OTHER: **--**			
VOLUME REMOVED: **5.0** ☑ LITERS ☐ GALLONS			COLOR: **Gray**	ODOR: **Sulfer**			
COLOR: **Gray** ODOR: **Sulfer**			FILTRATE (0.45 um) ☑ YES ☐ NO				
TURBIDITY			FILT COLOR: **Gray**	FILT ODOR: **Sulfer**			
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-				
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:				

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
15:06	200	6.84	427.9	7.82	8.54	-44.3	NR	30.92	0.0
15:11	200	8.89	680.3	0.27	7.41	-59.6	3	31.18	1.0
15:16	200	8.98	668.7	0.24	7.36	-9.6	0.8	31.18	2.0
15:21	200	8.88	658.4	0.25	7.36	5.9	0.9	31.18	3.0
15:26	200	8.89	654.0	0.25	7.36	11.3	0.8	31.18	4.0
15:31	200	8.88	649.6	0.26	7.36	13.9	0.6	31.18	5.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE: 	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/22/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-103D	UNIQUE SAMPLE ID: P-103D-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					

PURGING	TIME: **16:06**	DATE: **03/22/22**	SAMPLE:	TIME: **16:32**	DATE: **03/22/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.19** SU	CONDUCTIVITY: **765.1** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **0.48** mg/l	ORP: **3.2** mV	
DEPTH TO WATER: **51.38** T/ PVC			TURBIDITY: **0.9** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.03** °C	OTHER: **--**	
VOLUME REMOVED: **7.8** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
16:06	300	8.75	789.5	5.28	7.24	39.0	NR	NR	0.0
16:11	300	8.93	778.0	1.56	7.11	14.4	1.8	31.92	1.5
16:12	300	8.93	768.2	1.24	7.11	11.5	2.8	31.92	1.8
16:17	300	8.96	765.3	0.71	7.14	-60.9	2.6	31.92	3.3
16:22	300	9.03	766.2	0.57	7.17	4.1	2.5	31.92	4.8
16:27	300	8.99	765.4	0.52	7.18	3.6	1.8	31.92	6.3
16:32	300	9.03	765.1	0.48	7.19	3.2	0.9	31.92	7.8

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/22/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-107D	UNIQUE SAMPLE ID: P-107D-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					

PURGING	TIME: **9:24**	DATE: **03/22/22**	SAMPLE:	TIME: **9:59**	DATE: **03/22/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.07** SU	CONDUCTIVITY: **617.0** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **1.98** mg/l	ORP: **26.6** mV	
DEPTH TO WATER: **53.49** T/ PVC			TURBIDITY: **0.5** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.45** °C	OTHER: **--**	
VOLUME REMOVED: **8.8** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
9:24	250	9.22	599.7	3.70	6.95	82.1	NR	NR	0.0
9:29	250	9.13	587.4	2.21	7.05	63.4	0.7	53.55	1.3
9:34	250	9.23	571.5	1.64	6.99	32.7	0.6	53.56	2.5
9:39	250	9.31	582.1	1.48	7.04	60.2	0.6	53.56	3.8
9:44	250	9.36	603.6	1.31	7.02	61.8	0.5	53.56	5.0
9:49	250	9.39	614.3	1.28	7.03	29.8	0.5	53.56	6.3
9:54	250	9.43	616.3	2.17	7.06	27.5	0.5	53.56	7.5
9:59	250	9.45	617.0	1.98	7.07	26.6	0.5	53.56	8.8

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/22/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-111D	UNIQUE SAMPLE ID: P-111D-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					

PURGING	TIME: **10:43**	DATE: **03/22/22**	SAMPLE:	TIME: **11:13**	DATE: **03/22/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.23** SU	CONDUCTIVITY: **840.4** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **0.26** mg/l	ORP: **28.5** mV	
DEPTH TO WATER: **36.13** T/ PVC			TURBIDITY: **0.9** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.17** °C	OTHER: **--**	
VOLUME REMOVED: **6.0** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
10:43	200	8.96	837.7	3.77	7.06	-8.7	NR	NR	0.0
10:48	200	9.15	840.3	0.70	7.14	20.2	1.2	37.49	1.0
10:53	200	9.17	837.5	0.38	7.18	28.1	1.4	37.49	2.0
10:58	200	9.15	841.4	0.31	7.20	29.6	0.9	37.49	3.0
11:03	200	9.17	837.7	0.28	7.22	29.5	0.7	37.49	4.0
11:08	200	9.17	838.9	0.26	7.22	29.0	0.7	37.49	5.0
11:13	200	9.17	840.4	0.26	7.23	28.5	0.9	37.49	6.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/23/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-113A	UNIQUE SAMPLE ID: P-113A-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					

PURGING	TIME: **12:29**	DATE: **03/23/22**	SAMPLE:	TIME: **13:29**	DATE: **03/23/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.18** SU	CONDUCTIVITY: **512.7** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **1.38** mg/l	ORP: **99.1** mV	
DEPTH TO WATER: **15.14** T/ PVC			TURBIDITY: **1.1** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.60** °C	OTHER: **--**	
VOLUME REMOVED: **18.0** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
12:29	300	9.36	522.6	2.93	7.54	61.0	NR	NR	0.0
12:34	300	9.50	518.3	0.59	7.30	53.4	4.7	16.70	1.5
12:39	300	9.55	512.5	0.37	7.23	72.1	2.9	16.70	3.0
12:44	300	9.54	511.6	0.35	7.21	87.1	2.1	16.70	4.5
12:49	300	9.59	511.3	0.39	7.19	54.7	1.2	16.70	6.0
12:54	300	9.60	511.8	0.48	7.18	90.4	1.1	16.70	7.5
12:59	300	9.52	511.9	0.60	7.18	92.2	1.5	16.70	9.0
13:04	300	9.57	510.9	0.75	7.18	63.2	1.9	16.70	10.5
13:09	300	9.58	510.5	0.91	7.18	95.4	1.7	16.70	12.0
13:14	300	9.61	509.6	1.06	7.18	69.9	1.6	16.70	13.5
13:19	300	9.60	510.5	1.19	7.18	98.1	1.4	16.70	15.0
13:24	300	9.55	509.5	1.29	7.18	74.1	1.3	16.70	16.5
13:29	300	9.60	512.7	1.38	7.18	99.1	1.1	16.70	18.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **3/23/22**	BY: AR	DATE: 5/3/22
WELL ID:	**P-113B**	UNIQUE SAMPLE ID: P-113B-202203		WELL DIAMETER:	2 in

WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:

PURGING	TIME: **13:37**	DATE: **03/23/22**	SAMPLE:	TIME: **14:05**	DATE: **03/23/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.20** SU	CONDUCTIVITY: **625.8**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.27** mg/l	ORP: **-66.7**	mV
DEPTH TO WATER:	**14.63** T/ PVC		TURBIDITY: **0.9** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	-- ☑ LITERS ☐ GALLONS		TEMPERATURE: **9.53** °C	OTHER:	--
VOLUME REMOVED:	**7.0** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
13:37	250	9.17	636.4	6.47	7.49	48.3	NR	NR	0.0
13:40	250	9.36	627.1	1.44	7.46	24.7	2.7	14.16	0.8
13:45	250	9.50	625.2	0.44	7.26	15.4	1.9	14.16	2.0
13:50	250	9.47	626.4	0.33	7.20	-56.1	0.9	14.16	3.3
13:55	250	9.50	626.1	0.30	7.20	11.5	1	14.16	4.5
14:00	250	9.50	625.8	0.28	7.20	7.7	0.9	14.16	5.8
14:05	250	9.53	625.8	0.27	7.20	-66.7	0.9	14.16	7.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/23/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-114	UNIQUE SAMPLE ID: P-114-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					
PURGING	TIME: **10:05**	DATE: **03/23/22**	SAMPLE:	TIME: **10:30**	DATE: **03/23/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.08** SU	CONDUCTIVITY: **728.4** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **0.25** mg/l	ORP: **-3.6** mV	
DEPTH TO WATER: **20.80** T/ PVC			TURBIDITY: **1.4** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.53** °C	OTHER: **--**	
VOLUME REMOVED: **7.5** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **Sulfer**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS: Insitu file labeled as 115 sample time 10:30		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
Stabilization Criteria									
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
10:05	300	8.70	763.7	2.94	7.19	30.8	NR	NR	0.0
10:10	300	9.47	734.1	0.46	7.06	-6.6	4.2	20.63	1.5
10:15	300	9.50	730.8	0.32	7.06	-33.9	2	20.63	3.0
10:20	300	9.55	727.7	0.26	7.08	-3.8	1.4	20.63	4.5
10:25	300	9.51	729.7	0.26	7.07	-4.8	1.4	20.63	6.0
10:30	300	9.53	728.4	0.25	7.08	-3.6	1.4	20.63	7.5

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **3/23/22**	BY: WBAR	DATE: 5/3/22
WELL ID:	**P-115**	UNIQUE SAMPLE ID: P-115-202203		WELL DIAMETER:	2 in

WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:

PURGING	TIME: **11:02**	DATE: **03/23/22**	SAMPLE:	TIME: **11:37**	DATE: **03/23/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.25** SU	CONDUCTIVITY: **576.5**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.24** mg/l	ORP: **4.6**	mV
DEPTH TO WATER:	**24.01** T/ PVC		TURBIDITY: **6.2** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **9.85** °C	OTHER:	**--**
VOLUME REMOVED:	**10.5** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☑ DUP- 01		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:02	300	9.46	589.8	2.39	7.47	36.7	4.4	NR	0.0
11:07	300	9.78	578.0	0.46	7.32	-69.5	6.6	24.04	1.5
11:12	300	9.79	578.6	0.32	7.22	7.9	6.1	24.04	3.0
11:17	300	9.79	577.6	0.27	7.22	7.6	5.9	24.04	4.5
11:22	300	9.82	576.5	0.26	7.23	-67.1	6	24.04	6.0
11:27	300	9.84	576.8	0.25	7.23	6.2	6.2	24.04	7.5
11:32	300	9.83	576.9	0.24	7.24	5.7	6.1	24.04	9.0
11:37	300	9.85	576.5	0.24	7.25	4.6	6.2	24.04	10.5

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
8	40 mL	VOA	HCL	☐ Y ☑ N	2	125 mL	CLR PLST	None	☐ Y ☑ N
2	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
2	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**		BY: **WB**	DATE: **3/23/22**	BY: AR	DATE: 5/3/22
WELL ID: **P-116**	UNIQUE SAMPLE ID: P-116-202203			WELL DIAMETER: 2 in	
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON				☐ OTHER:	
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI			☐ LEACHATE	☐ OTHER:	
PURGING	TIME: **8:38**	DATE: **03/23/22**	SAMPLE:	TIME: **9:23**	DATE: **03/23/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.28** SU	CONDUCTIVITY: **484.5** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **0.35** mg/l	ORP: **65.6** mV	
DEPTH TO WATER: **27.98** T/ PVC			TURBIDITY: **11.2** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **8.66** °C	OTHER: **--**	
VOLUME REMOVED: **11.3** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **Brown** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
8:38	250	8.41	500.1	6.24	6.99	109.2	NR	28.07	0.0
8:43	250	9.03	484.9	1.11	7.17	71.0	22	28.07	1.3
8:48	250	8.65	479.1	0.66	7.23	49.7	41.8	28.07	2.5
8:53	250	7.81	479.3	0.72	7.27	69.0	50.1	28.07	3.8
8:58	250	7.55	494.1	0.75	7.26	67.7	23.5	28.07	5.0
9:03	250	8.71	486.5	0.45	7.26	44.8	24.6	28.07	6.3
9:08	250	8.67	484.7	0.39	7.27	63.3	16.1	28.07	7.5
9:13	250	8.64	484.6	0.37	7.27	44.0	21.3	28.07	8.8
9:18	250	8.61	485.5	0.36	7.28	63.9	15.8	28.07	10.0
9:23	250	8.66	484.5	0.35	7.28	65.6	11.2	28.07	11.3

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/22/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-117	UNIQUE SAMPLE ID: P-117-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					
PURGING	TIME: **12:59**	DATE: **03/22/22**	SAMPLE:	TIME: **13:24**	DATE: **03/22/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.14** SU	CONDUCTIVITY: **742.3** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **0.40** mg/l	ORP: **27.9** mV	
DEPTH TO WATER: **16.63** T/ PVC			TURBIDITY: **0.7** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.97** °C	OTHER: **--**	
VOLUME REMOVED: **5.0** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
12:59	200	9.17	740.1	9.14	7.66	87.1	NR	NR	0.0
13:04	200	9.88	750.0	2.12	7.35	25.2	0.9	16.91	1.0
13:09	200	9.97	745.8	0.68	7.15	28.2	0.7	16.91	2.0
13:14	200	9.97	742.1	0.50	7.13	-41.5	0.7	16.91	3.0
13:19	200	9.97	741.9	0.43	7.13	28.1	0.6	16.91	4.0
13:24	200	9.97	742.3	0.40	7.14	27.9	0.7	16.91	5.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **WB**	DATE: **3/22/22**	BY: AR	DATE: 5/3/22	
WELL ID: P-118	UNIQUE SAMPLE ID: P-118-202203		WELL DIAMETER: 2 in		
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON ☐ OTHER:					
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER:					
PURGING	TIME: **11:58**	DATE: **03/22/22**	SAMPLE:	TIME: **12:23**	DATE: **03/22/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.28** SU	CONDUCTIVITY: **595.7** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **0.35** mg/l	ORP: **39.3** mV	
DEPTH TO WATER: **9.56** T/ PVC			TURBIDITY: **1.7** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **10.05** °C	OTHER: **--**	
VOLUME REMOVED: **5.0** ☑ LITERS ☐ GALLONS			COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:58	200	9.88	604.5	2.02	7.48	22.5	NR	NR	0.0
12:03	200	10.15	597.3	0.36	7.30	-30.8	0.9	9.56	1.0
12:08	200	10.19	598.7	0.31	7.28	37.6	1.5	9.56	2.0
12:13	200	10.05	595.2	0.33	7.28	-33.2	1.9	9.56	3.0
12:18	200	10.07	596.2	0.36	7.28	37.9	1.8	9.59	4.0
12:23	200	10.05	595.7	0.35	7.28	39.3	1.7	9.59	5.0

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	HCL	☐ Y ☑ N	1	125 mL	CLR PLST	None	☐ Y ☑ N
1	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N
1	250 mL	CLR PLST	NaOH	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 3/23/22	
	SIGNATURE:	DATE SIGNED: 4/12/2022

GROUNDWATER SUMMARY SHEET

PROJECT NAME	Ripon FF/NN Landfill	**SAMPLERS**	Wesley Braga & Andrew Ruetten
PROJECT NUMBER	472213	**SAMPLE DATES**	3/22/2022 - 3/23/2022

	GROUNDWATER ELEVATION SHEET SUMMARY						FIELD SAMPLE INFORMATION																
WELL ID	DEPTH TO WATER DATE	DEPTH TO WATER TIME	DEPTH TO WATER (GWEL SHEET)	REFERANCE ELEVATION	GROUNDWATER ELEVATION (GWEL SHEET)	PRODUCT THICKNESS	UNIQUE SAMPLE ID	SAMPLE DATE	SAMPLE TIME	DTW (PRIOR TO PURGE)	pH	SPECIFIC COND	TEMP	DO	ORP	COLOR	ODOR	TURB (NTU)	TURB (Description)	Filtered	Filter Color	Filter Odor	MS/MSD	Duplicate
MW-3A	03/22/22	9:09	32.23	850.60	818.37	None	MW-3A-202203	03/22/22	15:00	32.23	7.19	546.60	8.60	0.37	49.9	None	None	0.70	NONE	YES	None	None		
MW-3B	03/22/22	9:12	30.92	850.89	819.97	None	MW-3B-202203	03/22/22	15:31	30.92	7.36	649.60	8.88	0.26	13.9	Gray	Sulfer	0.60	NONE	YES	Gray	Sulfer		
P-103D	03/22/22	8:56	51.38	872.91	821.53	None	P-103D-202203	03/22/22	16:32	51.38	7.19	765.10	9.03	0.48	3.2	None	None	0.90	NONE	YES	None	None		
P-107D	03/22/22	8:46	53.49	871.90	818.41	None	P-107D-202203	03/22/22	9:59	53.49	7.07	617.00	9.45	1.98	26.6	None	None	0.50	NONE	YES	None	None		
P-111D	03/22/22	9:03	36.13	855.56	819.43	None	P-111D-202203	03/22/22	11:13	36.13	7.23	840.40	9.17	0.26	28.5	None	None	0.90	NONE	YES	None	None		
P-113A	03/22/22	9:32	15.14	833.16	818.02	None	P-113A-202203	03/23/22	13:29	15.14	7.18	512.70	9.60	1.38	99.1	None	None	1.10	NONE	YES	None	None		
P-113B	03/22/22	9:34	14.63	833.16	818.53	None	P-113B-202203	03/23/22	14:05	14.63	7.20	625.80	9.53	0.27	-66.7	None	None	0.90	NONE	YES	None	None		
P-114	03/22/22	9:40	20.80	839.36	818.56	None	P-114-202203	03/23/22	10:30	20.80	7.08	728.40	9.53	0.25	-3.6	None	None	1.40	NONE	YES	None	None		
P-115	03/22/22	9:43	24.01	842.67	818.66	None	P-115-202203	03/23/22	11:37	24.01	7.25	576.50	9.85	0.24	4.6	None	None	6.20	NONE	YES	None	None		01
P-116	03/22/22	9:50	27.90	845.86	817.96	None	P-116-202203	03/23/22	9:23	27.98	7.28	484.50	8.66	0.35	65.6	None	None	11.20	NONE	YES	None	None		
P-117	03/22/22	9:17	16.63	833.96	817.33	None	P-117-202203	03/22/22	13:24	16.63	7.14	742.30	9.97	0.40	27.9	None	None	0.70	NONE	YES	None	None		
P-118	03/22/22	9:22	9.56	826.74	817.18	None	P-118-202203	03/22/22	12:23	9.56	7.28	595.70	10.05	0.35	39.3	None	None	1.70	NONE	YES	None	None		

Appendix B: Analytical Data

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608 -356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

TRC ENVIRONMENTAL
ANDREW STEHN
708 HEARTLAND TRAIL
SUITE 3000
MADISON, WI 53717

Copy: astehn@trccompanies.com

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Project #: 472213
Folder #: 168421
Purchase Order #: 179575
Contract #: 3276

Arrival Temperature: 3.6
Report Date: 4/5/2022
Date Received: 3/24/2022
Reprint Date: 4/5/2022

CT LAB#: 1122442 Sample Description: MW-3A-202203 License/Well #: 00467/133 Sampled: 3/22/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	19	mg/L	0.80	2.5	1			4/1/2022 14:37	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:14	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	413	ug/L	1.2	5.0	1			3/25/2022 13:32	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 15:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122442 Sample Description: MW-3A-202203 License/Well #: 00467/133 Sampled: 3/22/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 15:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 15:00	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 15:00	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 15:00	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 15:00	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 15:00	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 15:00	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 15:00	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122442 Sample Description: MW-3A-202203 License/Well #: 00467/133 Sampled: 3/22/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 15:00	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 15:00	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 15:00	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 15:00	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122442 Sample Description: MW-3A-202203 License/Well #: 00467/133 Sampled: 3/22/2022 15:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 15:00	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 15:00	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:00	RLD	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	70.0	130	1			3/28/2022 15:00	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 15:00	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 15:00	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			3/28/2022 15:00	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122444 Sample Description: MW-3B-202203 License/Well #: 00467/134 Sampled: 3/22/2022 15:31

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	48	mg/L	4.0	13	5			4/1/2022 14:55	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:15	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	105	ug/L	1.2	5.0	1			3/25/2022 14:16	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 15:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:29	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122444 Sample Description: MW-3B-202203 License/Well #: 00467/134 Sampled: 3/22/2022 15:31

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 15:29	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 15:29	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 15:29	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 15:29	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 15:29	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 15:29	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 15:29	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 15:29	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 15:29	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 15:29	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122444 Sample Description: MW-3B-202203 License/Well #: 00467/134 Sampled: 3/22/2022 15:31

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 15:29	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 15:29	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 15:29	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 15:29	RLD	EPA 8260C
Vinyl chloride	0.046	ug/L	0.019 *	0.10	1			3/28/2022 15:29	RLD	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	70.0	130	1			3/28/2022 15:29	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 15:29	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			3/28/2022 15:29	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			3/28/2022 15:29	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122445 Sample Description: P-103D-202203 License/Well #: 00467/141 Sampled: 3/22/2022 16:32

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	67	mg/L	4.0	13	5			4/1/2022 15:49	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:17	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	82.2	ug/L	1.2	5.0	1			3/25/2022 14:24	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 15:57	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 15:57	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122445 Sample Description: P-103D-202203 License/Well #: 00467/141 Sampled: 3/22/2022 16:32

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 15:57	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 15:57	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 15:57	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 15:57	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 15:57	RLD	EPA 8260C
Benzene	0.026	ug/L	0.022 *	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 15:57	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 15:57	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.27	ug/L	0.023	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 15:57	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 15:57	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 15:57	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122445 Sample Description: P-103D-202203 License/Well #: 00467/141 Sampled: 3/22/2022 16:32

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 15:57	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 15:57	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Trichloroethene	0.056	ug/L	0.022 *	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 15:57	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 15:57	RLD	EPA 8260C
Vinyl chloride	0.20	ug/L	0.019	0.10	1			3/28/2022 15:57	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			3/28/2022 15:57	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 15:57	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 15:57	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			3/28/2022 15:57	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122446 Sample Description: P-107D-202203 License/Well #: 00467/119 Sampled: 3/22/2022 09:59

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	29	mg/L	0.80	2.5	1			4/1/2022 16:07	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:18	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	188	ug/L	1.2	5.0	1			3/25/2022 14:31	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 16:25	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 16:25	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122446 Sample Description: P-107D-202203 License/Well #: 00467/119 Sampled: 3/22/2022 09:59

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 16:25	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 16:25	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 16:25	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 16:25	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 16:25	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 16:25	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Chloroethane	1.2	ug/L	0.40 *	1.5	1			3/28/2022 16:25	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.7	ug/L	0.023	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 16:25	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 16:25	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 16:25	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122446 Sample Description: P-107D-202203 License/Well #: 00467/119 Sampled: 3/22/2022 09:59

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 16:25	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 16:25	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Trichloroethene	0.11	ug/L	0.022	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 16:25	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 16:25	RLD	EPA 8260C
Vinyl chloride	4.0	ug/L	0.019	0.10	1			3/28/2022 16:25	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			3/28/2022 16:25	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			3/28/2022 16:25	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			3/28/2022 16:25	RLD	EPA 8260C
Dibromofluoromethane	98.0	% Recovery	70.0	130	1			3/28/2022 16:25	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122447 Sample Description: P-111D-202203 License/Well #: 00467/130 Sampled: 3/23/2022 11:13

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	56	mg/L	4.0	13	5			4/1/2022 16:25	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:19	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	30.3	ug/L	1.2	5.0	1			3/25/2022 14:39	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 16:54	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 16:54	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122447 Sample Description: P-111D-202203 License/Well #: 00467/130 Sampled: 3/23/2022 11:13

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 16:54	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 16:54	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 16:54	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 16:54	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 16:54	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 16:54	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Chloroethane	0.62	ug/L	0.40 *	1.5	1			3/28/2022 16:54	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.3	ug/L	0.023	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 16:54	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 16:54	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 16:54	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122447 Sample Description: P-111D-202203 License/Well #: 00467/130 Sampled: 3/23/2022 11:13

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 16:54	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 16:54	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.055	ug/L	0.020 *	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 16:54	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 16:54	RLD	EPA 8260C
Vinyl chloride	3.0	ug/L	0.019	0.10	1			3/28/2022 16:54	RLD	EPA 8260C
1,2 Dichloroethane-d4	98.0	% Recovery	70.0	130	1			3/28/2022 16:54	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 16:54	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 16:54	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			3/28/2022 16:54	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122448 Sample Description: P-113A-202203 License/Well #: 00467/136 Sampled: 3/23/2022 13:29

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	11	mg/L	0.80	2.5	1			4/1/2022 16:43	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:20	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	12.1	ug/L	1.2	5.0	1			3/25/2022 14:47	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 17:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 17:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122448 Sample Description: P-113A-202203 License/Well #: 00467/136 Sampled: 3/23/2022 13:29

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 17:22	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 17:22	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 17:22	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 17:22	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 17:22	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 17:22	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 17:22	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 17:22	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 17:22	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 17:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122448 Sample Description: P-113A-202203 License/Well #: 00467/136 Sampled: 3/23/2022 13:29

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 17:22	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 17:22	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 17:22	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 17:22	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			3/28/2022 17:22	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	70.0	130	1			3/28/2022 17:22	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 17:22	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 17:22	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			3/28/2022 17:22	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122449 Sample Description: P-113B-202203 License/Well #: 00467/138 Sampled: 3/23/2022 14:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	72	mg/L	4.0	13	5			4/1/2022 17:01	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:21	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	35.6	ug/L	1.2	5.0	1			3/25/2022 14:54	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 17:50	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 17:50	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122449 Sample Description: P-113B-202203 License/Well #: 00467/138 Sampled: 3/23/2022 14:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 17:50	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 17:50	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 17:50	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 17:50	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 17:50	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 17:50	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 17:50	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 17:50	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 17:50	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 17:50	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122449 Sample Description: P-113B-202203 License/Well #: 00467/138 Sampled: 3/23/2022 14:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 17:50	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 17:50	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 17:50	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 17:50	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			3/28/2022 17:50	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			3/28/2022 17:50	RLD	EPA 8260C
Bromofluorobenzene	97.0	% Recovery	70.0	130	1			3/28/2022 17:50	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 17:50	RLD	EPA 8260C
Dibromofluoromethane	96.0	% Recovery	70.0	130	1			3/28/2022 17:50	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122450 Sample Description: P-114-202203 License/Well #: 00467/140 Sampled: 3/23/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	60	mg/L	0.80	2.5	1			4/1/2022 17:20	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:23	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	61.2	ug/L	1.2	5.0	1			3/25/2022 15:02	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 18:18	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 18:18	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122450 Sample Description: P-114-202203 License/Well #: 00467/140 Sampled: 3/23/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 18:18	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 18:18	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 18:18	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 18:18	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 18:18	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 18:18	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 18:18	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.8	ug/L	0.023	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 18:18	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 18:18	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 18:18	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122450 Sample Description: P-114-202203 License/Well #: 00467/140 Sampled: 3/23/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 18:18	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 18:18	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 18:18	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 18:18	RLD	EPA 8260C
Vinyl chloride	6.1	ug/L	0.019	0.10	1			3/28/2022 18:18	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			3/28/2022 18:18	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			3/28/2022 18:18	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			3/28/2022 18:18	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			3/28/2022 18:18	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122451 Sample Description: P-115-202203 License/Well #: 00467/142 Sampled: 3/23/2022 11:37

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	31	mg/L	0.80	2.5	1			4/1/2022 17:38	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:24	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	107	ug/L	1.2	5.0	1			3/25/2022 15:09	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 18:47	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 18:47	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122451 Sample Description: P-115-202203 License/Well #: 00467/142 Sampled: 3/23/2022 11:37

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 18:47	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 18:47	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 18:47	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 18:47	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 18:47	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 18:47	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 18:47	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.18	ug/L	0.023	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 18:47	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 18:47	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 18:47	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122451 Sample Description: P-115-202203 License/Well #: 00467/142 Sampled: 3/23/2022 11:37

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 18:47	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 18:47	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 18:47	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 18:47	RLD	EPA 8260C
Vinyl chloride	0.33	ug/L	0.019	0.10	1			3/28/2022 18:47	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			3/28/2022 18:47	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			3/28/2022 18:47	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 18:47	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			3/28/2022 18:47	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122452 Sample Description: P-116-202203 License/Well #: 00467/143 Sampled: 3/23/2022 09:23

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	13	mg/L	0.80	2.5	1			4/1/2022 17:56	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:28	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	83.8	ug/L	1.2	5.0	1			3/25/2022 15:17	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 19:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 19:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122452 Sample Description: P-116-202203 License/Well #: 00467/143 Sampled: 3/23/2022 09:23

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 19:15	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 19:15	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 19:15	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 19:15	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 19:15	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 19:15	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 19:15	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 19:15	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 19:15	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 19:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122452 Sample Description: P-116-202203 License/Well #: 00467/143 Sampled: 3/23/2022 09:23

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 19:15	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 19:15	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 19:15	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 19:15	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			3/28/2022 19:15	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			3/28/2022 19:15	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 19:15	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 19:15	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			3/28/2022 19:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122453 Sample Description: P-117-202203 License/Well #: 00467/144 Sampled: 3/23/2022 13:24

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	55	mg/L	4.0	13	5			4/1/2022 18:14	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:29	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	200	ug/L	1.2	5.0	1			3/25/2022 15:24	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 19:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 19:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122453 Sample Description: P-117-202203 License/Well #: 00467/144 Sampled: 3/23/2022 13:24

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 19:43	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 19:43	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 19:43	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 19:43	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 19:43	RLD	EPA 8260C
Benzene	0.023	ug/L	0.022 *	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 19:43	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 19:43	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.71	ug/L	0.023	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 19:43	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 19:43	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 19:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122453 Sample Description: P-117-202203 License/Well #: 00467/144 Sampled: 3/23/2022 13:24

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 19:43	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 19:43	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Trichloroethene	0.049	ug/L	0.022 *	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 19:43	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 19:43	RLD	EPA 8260C
Vinyl chloride	0.90	ug/L	0.019	0.10	1			3/28/2022 19:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			3/28/2022 19:43	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			3/28/2022 19:43	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 19:43	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			3/28/2022 19:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122454 Sample Description: P-118-202203 License/Well #: 00467/145 Sampled: 3/23/2022 12:23

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	27	mg/L	0.80	2.5	1			4/1/2022 18:32	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:30	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	65.1	ug/L	1.2	5.0	1			3/25/2022 15:54	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 20:12	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 20:12	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122454 Sample Description: P-118-202203 License/Well #: 00467/145 Sampled: 3/23/2022 12:23

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 20:12	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 20:12	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 20:12	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 20:12	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 20:12	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 20:12	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 20:12	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 20:12	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 20:12	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 20:12	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122454 Sample Description: P-118-202203 License/Well #: 00467/145 Sampled: 3/23/2022 12:23

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 20:12	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 20:12	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 20:12	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 20:12	RLD	EPA 8260C
Vinyl chloride	0.091	ug/L	0.019 *	0.10	1			3/28/2022 20:12	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			3/28/2022 20:12	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			3/28/2022 20:12	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			3/28/2022 20:12	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			3/28/2022 20:12	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122455 Sample Description: DUP-01-202203 License #:00467 Sampled: 3/23/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	33	mg/L	0.80	2.5	1			4/1/2022 19:44	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			3/30/2022 09:31	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	108	ug/L	1.2	5.0	1			3/25/2022 16:02	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 20:40	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 20:40	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122455 Sample Description: DUP-01-202203 License #:00467 Sampled: 3/23/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 20:40	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 20:40	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 20:40	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 20:40	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 20:40	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 20:40	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 20:40	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.18	ug/L	0.023	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 20:40	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 20:40	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 20:40	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122455 Sample Description: DUP-01-202203 License #:00467 Sampled: 3/23/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			3/28/2022 20:40	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 20:40	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 20:40	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 20:40	RLD	EPA 8260C
Vinyl chloride	0.34	ug/L	0.019	0.10	1			3/28/2022 20:40	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	70.0	130	1			3/28/2022 20:40	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			3/28/2022 20:40	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			3/28/2022 20:40	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			3/28/2022 20:40	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122456 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 3/22/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			3/28/2022 14:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			3/28/2022 14:32	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			3/28/2022 14:32	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			3/28/2022 14:32	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			3/28/2022 14:32	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122456 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 3/22/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<0.84	ug/L	0.84	4.0	1			3/28/2022 14:32	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			3/28/2022 14:32	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			3/28/2022 14:32	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			3/28/2022 14:32	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			3/28/2022 14:32	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Methylene chloride	0.53	ug/L	0.090	0.40	1			3/28/2022 14:32	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB#: 1122456 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 3/22/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.025	ug/L	0.025	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			3/28/2022 14:32	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			3/28/2022 14:32	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			3/28/2022 14:32	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			3/28/2022 14:32	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			3/28/2022 14:32	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			3/28/2022 14:32	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			3/28/2022 14:32	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			3/28/2022 14:32	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted . The results reported relate only to the samples tested.
This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached. This report has been specifically prepared to satisfy project or program requirements.

Submitted by: Brett M. Szymanski
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# 115843
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01

Preventative Action Limit (PAL) Exceedances

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **00467**

Well Description:	***MW-3A-202203***	**Well #:**	***133***	**Sample Date**	**03/22/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	413	60	300	1.2	ug/L

Well Description:	***MW-3B-202203***	**Well #:**	***134***	**Sample Date**	**03/22/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	105	60	300	1.2	ug/L
Vinyl chloride	39175	0.046	0.02	0.20	0.019	ug/L

Well Description:	***P-103D-202203***	**Well #:**	***141***	**Sample Date**	**03/22/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	82.2	60	300	1.2	ug/L
Vinyl chloride	39175	0.20	0.02	0.20	0.019	ug/L

Well Description:	***P-107D-202203***	**Well #:**	***119***	**Sample Date**	**03/22/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	188	60	300	1.2	ug/L
Vinyl chloride	39175	4.0	0.02	0.20	0.019	ug/L

Well Description:	***P-111D-202203***	**Well #:**	***130***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	3.0	0.02	0.20	0.019	ug/L

Well Description:	***P-114-202203***	**Well #:**	***140***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	61.2	60	300	1.2	ug/L
Vinyl chloride	39175	6.1	0.02	0.20	0.019	ug/L

Well Description:	***P-115-202203***	**Well #:**	***142***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	107	60	300	1.2	ug/L
Vinyl chloride	39175	0.33	0.02	0.20	0.019	ug/L

Well Description:	***P-116-202203***	**Well #:**	***143***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	83.8	60	300	1.2	ug/L

Well Description:	***P-117-202203***	**Well #:**	***144***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units

Preventative Action Limit (PAL) Exceedances

Location/Landfill: **RIPON FF/NN LANDFILL** **License #:** **00467**

Well Description:	***P-117-202203***	**Well #:**	***144***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	200	60	300	1.2	ug/L
Vinyl chloride	39175	0.90	0.02	0.20	0.019	ug/L

Well Description:	***P-118-202203***	**Well #:**	***145***	**Sample Date**	**03/23/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	65.1	60	300	1.2	ug/L
Vinyl chloride	39175	0.091	0.02	0.20	0.019	ug/L

Summary of Detected Organic Compounds

04/05/2022

Location/Landfill: **RIPON SUPERFUND LF** **License #:** **00467** Page 1 of 24

Well Description: ***DUP-2*** **Well #:**

Parameter	Sample Date								
	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/28/2020	2/25/2020
1,1-Dichloroethane								0.017	
Carbon disulfide							0.018	0.022	0.015
Chloroethane			0.55			0.63	0.54	1.4	
Chloromethane								0.047	0.083
cis-1,2-Dichloroethene	0.18	2.0	1.9	1.8	1.8	2.0	2.1	3.2	
Dichlorodifluoromethane			0.20				0.067	0.073	
Tetrahydrofuran					0.75	0.70		0.51	
trans-1,2-Dichloroethene						0.042		0.044	
Vinyl chloride	0.34	8.4	10	7.7	7.4	7.8	8.0	3.5	

Well Description: ***MW-103*** **Well #:** ***112***

Parameter	Sample Date			
	9/8/2021	6/18/2021	7/14/2020	4/28/2020
Acetone				1.1
Carbon disulfide				0.022
Chloromethane				0.061
cis-1,2-Dichloroethene	0.11	0.13	0.24	0.24
Tetrachloroethene	0.22	0.24	0.24	0.25
Trichloroethene	0.85	1.1	1.5	1.4

Well Description: ***MW-104*** **Well #:** ***113***

Parameter	Sample Date	
	6/18/2021	4/28/2020
1,4-Dichlorobenzene	1.7	1.6
Acetone	1.00	1.5
Benzene	0.053	0.12
Carbon disulfide		0.16
Chlorobenzene	3.9	3.7
Chloromethane		0.032
cis-1,2-Dichloroethene	0.056	0.094
Diisopropyl ether	0.038	0.047
Isopropylbenzene	0.16	0.19
m & p-Xylene		0.032
Methyl tert-butyl ether	0.066	0.068
sec-Butylbenzene	0.078	0.065
tert-Butylbenzene		0.015
Toluene		0.024
Trichloroethene		0.041

Well Description: ***P-103*** **Well #:** ***114***

Parameter	Sample Date		
	9/8/2021	7/14/2020	4/27/2020
Carbon disulfide			0.029
cis-1,2-Dichloroethene	0.038	0.043	0.040
Trichloroethene			0.035
Vinyl chloride			0.027

Well Description: ***P-106*** **Well #:** ***116***

Parameter	Sample Date 6/18/2021	4/27/2020
Carbon disulfide		0.021
Chloromethane		0.034
cis-1,2-Dichloroethene		0.059
Trichloroethene	0.14	0.14

Well Description: ***MW-107*** **Well #:** ***117***

Parameter	Sample Date
	4/28/2020
Carbon disulfide	0.018
Tetrachloroethene	0.036
Trichloroethene	0.029

Well Description: ***P-107*** **Well #:** ***118***

Parameter	Sample Date 6/18/2021	4/28/2020
Benzene		0.021
Carbon disulfide		0.019
Chloroethane		0.21
Chloromethane		0.049
cis-1,2-Dichloroethene	0.27	0.26
Dichlorodifluoromethane		0.035
Trichloroethene	0.084	0.065
Vinyl chloride	0.74	0.84

Well Description: ***P-107D*** **Well #:** ***119***

Parameter	Sample Date								
	3/22/2022	11/16/2021	9/8/2021	6/17/2021	3/25/2021	10/29/2020	7/14/2020	4/28/2020	2/25/2020
1,1-Dichloroethane		0.020			0.023	0.025			
1,2,4-Trimethylbenzene		0.018	0.018	0.014	0.019			0.021	
Carbon disulfide							0.024	0.044	0.044
Chloroethane	1.2	1.4	0.69	1.3	1.9	2.9	2.6		0.45
Chloromethane									0.053
cis-1,2-Dichloroethene	1.7	1.8	0.62	1.5	2.0	2.3	1.7	0.81	0.66
Dichlorodifluoromethane							0.067		
Tetrahydrofuran					0.84	0.84			
Toluene					0.014	0.024			
Trichloroethene	0.11	0.10	0.047	0.059	0.15	0.13	0.098	0.037	0.043
Vinyl chloride	4.0	5.0	2.1	5.4	4.3	5.7	5.8	2.8	2.1

Well Description: ***MW-112*** **Well #:** ***121***

Parameter	Sample Date			
	9/8/2021	6/18/2021	7/14/2020	4/28/2020
Acetone				0.93
Chlorobenzene	0.072	0.083	0.068	0.047
Chloromethane				0.056
cis-1,2-Dichloroethene	0.057	0.059	0.15	0.16
Dichlorodifluoromethane				0.032
Tetrachloroethene	0.10	0.084	0.24	0.28
Trichloroethene	0.27	0.30	0.62	1.0
Vinyl chloride				0.025

Well Description: ***P-111D*** **Well #:** ***130***

Parameter	Sample Date								
	3/23/2022	11/16/2021	9/8/2021	6/17/2021	3/25/2021	10/29/2020	7/13/2020	4/28/2020	2/25/2020
Carbon disulfide							0.021	0.026	0.018
Chloroethane	0.62	0.84	0.86	0.76	0.93	1.1	1.6	1.5	0.89
Chloromethane								0.047	0.11
cis-1,2-Dichloroethene	3.3	3.4	3.3	3.3	3.0	3.4	3.1	3.3	2.8
Dichlorodifluoromethane							0.058	0.052	
Methyl tert-butyl ether					0.024				
Tetrahydrofuran					0.57				
Toluene						0.015			
trans-1,2-Dichloroethene	0.055	0.038	0.043		0.050	0.049		0.042	0.035
Vinyl chloride	3.0	3.6	4.2	3.2	3.2	3.9	3.7	3.6	3.0

Well Description: ***MW-3A*** **Well #:** ***133***

Parameter	Sample Date			
	10/29/2020	7/13/2020	4/27/2020	2/25/2020
Carbon disulfide		0.025	0.024	
Chloromethane		0.046	0.047	0.084
Toluene	0.052			

Well Description: ***MW-3B*** **Well #:** ***134***

Parameter	Sample Date							
	3/22/2022	11/16/2021	9/8/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020
Carbon disulfide						0.043	0.022	
Chloroform					0.018			
Chloromethane						0.037		0.073
cis-1,2-Dichloroethene		0.037		0.032	0.029			
Vinyl chloride	0.046	0.066	0.061	0.042	0.049			0.035

Well Description: ***P-113A*** **Well #:** ***136***

Parameter	Sample Date			
	9/9/2021	7/13/2020	4/27/2020	2/26/2020
Carbon disulfide		0.031	0.017	
Chloromethane	0.079	0.037		0.037

Well Description: ***P-113B*** **Well #:** ***138***

Parameter	Sample Date			
	10/28/2020	7/13/2020	4/27/2020	2/25/2020
Acetone			0.93	
Carbon disulfide		0.019	0.019	
Chloromethane	0.054	0.033	0.046	0.048

Well Description: ***P-114*** **Well #:** ***140***

Parameter	Sample Date								
	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020
Acetone								0.84	
Carbon disulfide							0.019	0.024	
Chloroethane					0.47	0.43	0.34	0.52	0.27
Chloromethane							0.044	0.042	0.039
cis-1,2-Dichloroethene	1.8	1.9	1.8	1.9	1.8	2.0	2.0	2.1	1.8
Dichlorodifluoromethane			0.18				0.040	0.047	
Tetrahydrofuran					0.65	0.64		0.63	
Toluene						0.029			
trans-1,2-Dichloroethene					0.028	0.038		0.036	
Vinyl chloride	6.1	8.2	11	8.0	7.4	8.1	7.7	7.7	7.4

Well Description: ***P-103D-202203*** **Well #:** ***141***

Parameter	Sample Date								
	3/22/2022	11/16/2021	9/8/2021	6/18/2021	3/25/2021	10/28/2020	7/14/2020	4/27/2020	2/26/2020
Benzene	0.026	0.028	0.025	0.032	0.028	0.025	0.029	0.022	0.022
Carbon disulfide								0.018	0.017
Chloromethane								0.045	0.082
cis-1,2-Dichloroethene	0.27	0.31	0.27	0.31	0.30	0.33	0.32	0.26	0.25
Toluene						0.021			
Trichloroethene	0.056	0.067	0.063	0.075	0.076	0.073	0.070	0.054	0.062
Vinyl chloride	0.20	0.26	0.33	0.24	0.23	0.26	0.30	0.25	0.22

Well Description: ***P-115*** **Well #:** ***142***

Parameter	Sample Date								
	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020
Acetone								0.93	
Carbon disulfide							0.032	0.052	0.047
Chloromethane							0.041	0.042	0.040
cis-1,2-Dichloroethene	0.18	0.21	0.19	0.21	0.20	0.20	0.19	0.19	0.17
Vinyl chloride	0.33	0.48	0.63	0.53	0.52	0.67	0.85	0.83	0.72

Well Description: ***P-116*** **Well #:** ***143***

Parameter	Sample Date		
	7/13/2020	4/27/2020	2/25/2020
Carbon disulfide	0.018	0.039	0.028
Chloromethane		0.050	0.062

Well Description: ***P-117-202203*** **Well #:** ***144***

Parameter	Sample Date								
	3/23/2022	11/17/2021	9/8/2021	6/18/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020
Benzene	0.023			0.022	0.029	0.028	0.022	0.024	0.022
Carbon disulfide							0.034	0.019	0.017
Chloroethane			0.40		0.41	0.59	0.72	0.55	0.35
Chloromethane							0.040		0.084
cis-1,2-Dichloroethene	0.71	0.72	0.75	0.75	0.75	0.79	0.78	0.77	0.69
Dichlorodifluoromethane							0.041		
Naphthalene								0.025	0.034
Toluene						0.020			
Trichloroethene	0.049	0.057	0.048		0.054	0.065	0.063	0.046	0.047
Vinyl chloride	0.90	1.2	1.5	1.1	1.0	1.2	1.4	1.2	1.1

Well Description: ***P-118*** **Well #:** ***145***

Parameter	Sample Date								
	3/23/2022	11/17/2021	9/8/2021	6/18/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020
Carbon disulfide				0.12				0.023	0.028
Chloromethane							0.052	0.053	0.084
Toluene					0.020	0.032	0.023	0.033	0.020
Vinyl chloride	0.091	0.11	0.13	0.087	0.086	0.088		0.047	0.024

Well Description: ***LC-1*** **Well #:** ***301***

Parameter	Sample Date 6/18/2021	4/28/2020
1,2,4-Trimethylbenzene	50	33
1,3,5-Trimethylbenzene	18	
2-Butanone		2100
Acetone		780
Chlorobenzene	6.0	
Ethylbenzene	17	
m & p-Xylene	120	89
Methylene chloride	19	
Naphthalene	51	37
o-Xylene	9.0	
Tetrahydrofuran	200	840

Well Description: ***LC-2*** **Well #:** ***302***

Parameter	Sample Date	
	6/18/2021	4/28/2020
1,2,4-Trimethylbenzene	73	73
1,3,5-Trimethylbenzene	12	15
1,4-Dichlorobenzene	15	16
2-Butanone		2200
Acetone		900
Benzene	12	14
Chlorobenzene	46	88
Ethylbenzene	13	14
Isopropylbenzene	9.7	9.7
m & p-Xylene	330	360
Methylene chloride	8.8	
Naphthalene	19	9.9
n-Propylbenzene	9.6	8.1
tert-Butylbenzene	11	
Tetrahydrofuran	230	1000

Well Description: ***LC-3*** **Well #:** ***303***

Parameter	Sample Date	
	6/18/2021	4/28/2020
2-Butanone	28	23000
Acetone	66	7400
Carbon disulfide	7.6	
cis-1,2-Dichloroethene	12	28
Ethylbenzene	4.0	6.8
m & p-Xylene	7.6	32
Methylene chloride	9.8	
Naphthalene	8.7	
o-Xylene		9.7
Tetrahydrofuran	43	
Toluene	2.4	15
Trichloroethene		3.1
Vinyl chloride		4.1

Well Description: ***TRIP BLANK*** **Well #:** ***999***

Parameter	Sample Date							
	3/22/2022	11/17/2021	9/9/2021	6/18/2021	3/25/2021	10/29/2020	6/9/2020	4/28/2020
1,4-Dioxane							13	
Acetone		1.3		2.0				1.3
Carbon disulfide							0.021	
Chloroform			0.024					
Chloromethane						0.051	0.037	
Methylene chloride	0.53	0.30		0.25	0.34	0.46	1.2	0.92
Toluene						0.064		

QC Summary Report

TRC ENVIRONMENTAL **Project Name: RIPON FF/NN LANDFILL**

SDG #: 0 **Folder #: 168421** **Project #: 472213**

Lab Control Spike Water

Analytical Run #:	210618	Analysis Date:	3/30/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1123895	Analysis Time:	08:58	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
Nitrate+Nitrite Nitrogen Total	4.940	mg/L			5.0	99	90	---	110		
Nitrate+Nitrite Nitrogen,Diss	4.940	mg/L			5.0	99	90	---	110		

Method Blank Water

Analytical Run #:	210618	Analysis Date:	3/30/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1123896	Analysis Time:	08:59	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	0.050	mg/L		U	0		0.050		

Matrix Spike Duplicate Water

Analytical Run #:	210618	Analysis Date:	3/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1124644	Analysis Time:	09:34	Prep Date/Time:		Method:	
Parent Sample #:	1124643	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.87	mg/L	BDL		2.0	94	90 --- 110	3	20

Matrix Spike Water

Analytical Run #:	210618	Analysis Date:	3/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1124643	Analysis Time:	09:33	Prep Date/Time:		Method:	
Parent Sample #:	1122455	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.82	mg/L	BDL		2.0	91	90 --- 110		20

Lab Control Spike Water

Analytical Run #:	210695	Analysis Date:	4/1/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1125255	Analysis Time:	11:36	Prep Date/Time:		Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfate	23.82	mg/L			25.00	95	80 --- 120		

Method Blank Water

Analytical Run #:	210695	Analysis Date:	4/1/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1125256	Analysis Time:	11:54	Prep Date/Time:		Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfate	0.8	mg/L		U	0		0.8		

Matrix Spike Duplicate Water

Analytical Run #:	210526	Analysis Date:	3/25/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1123933	Analysis Time:	13:47	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1123932	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1240	ug/L	413		1000	83	67 --- 121	1	13

Matrix Spike Water

Analytical Run #:	210526	Analysis Date:	3/25/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1123932	Analysis Time:	13:39	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1122442	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1230	ug/L	413		1000	82	67 --- 121		13

Lab Control Spike Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1123712	Analysis Time:	12:39	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.17	ug/L			4.0	104	78 --- 121		20
1,1,1-Trichloroethane	4.24	ug/L			4.0	106	82 --- 122		20
1,1,2,2-Tetrachloroethane	4.24	ug/L			4.0	106	68 --- 128		20
1,1,2-Trichloroethane	4.20	ug/L			4.0	105	84 --- 114		20
1,1-Dichloroethane	4.11	ug/L			4.0	103	76 --- 122		20
1,1-Dichloroethene	4.27	ug/L			4.0	107	83 --- 123		20
1,1-Dichloropropene	4.25	ug/L			4.0	106	85 --- 120		20
1,2 Dichloroethane-d4	94.0	% Recovery			100	94.0	87 --- 107		
1,2,3-Trichlorobenzene	4.50	ug/L			4.0	112	78 --- 121		20
1,2,3-Trichloropropane	4.05	ug/L			4.0	101	62 --- 129		20
1,2,4-Trichlorobenzene	4.23	ug/L			4.0	106	80 --- 120		20
1,2,4-Trimethylbenzene	4.38	ug/L			4.0	110	76 --- 125		20
1,2-Dibromo-3-chloropropane	4.33	ug/L			4.0	108	69 --- 125		20
1,2-Dibromoethane	4.20	ug/L			4.0	105	80 --- 118		20
1,2-Dichlorobenzene	4.24	ug/L			4.0	106	80 --- 117		20
1,2-Dichloroethane	4.14	ug/L			4.0	104	78 --- 118		20
1,2-Dichloropropane	4.10	ug/L			4.0	102	78 --- 121		20
1,3,5-Trimethylbenzene	4.30	ug/L			4.0	108	76 --- 126		20
1,3-Dichlorobenzene	4.29	ug/L			4.0	107	78 --- 119		20
1,3-Dichloropropane	4.07	ug/L			4.0	102	82 --- 117		20
1,4-Dichlorobenzene	4.21	ug/L			4.0	105	77 --- 118		20
2,2-Dichloropropane	4.02	ug/L			4.0	100	71 --- 133		20
2-Butanone	41.0	ug/L			40.0	102	80 --- 120		20
2-Chlorotoluene	4.34	ug/L			4.0	108	73 --- 124		20
2-Hexanone	42.2	ug/L			40.0	106	73 --- 127		20
4-Chlorotoluene	4.25	ug/L			4.0	106	74 --- 125		20
4-Methyl-2-pentanone	41.7	ug/L			40.0	104	77 --- 125		20
Acetone	39.9	ug/L			40.0	100	72 --- 117		20
Benzene	4.19	ug/L			4.0	105	82 --- 118		20
Bromobenzene	4.37	ug/L			4.0	109	77 --- 118		20
Bromochloromethane	4.15	ug/L			4.0	104	81 --- 116		20
Bromodichloromethane	4.23	ug/L			4.0	106	80 --- 122		20
Bromofluorobenzene	101	% Recovery			100	101	90 --- 108		
Bromoform	4.28	ug/L			4.0	107	72 --- 124		20
Bromomethane	4.59	ug/L			4.0	115	25 --- 156		20
Carbon disulfide	8.38	ug/L			8.0	105	81 --- 124		20
Carbon tetrachloride	4.26	ug/L			4.0	106	87 --- 129		20
Chlorobenzene	4.09	ug/L			4.0	102	78 --- 118		20
Chloroethane	3.89	ug/L			4.0	97	73 --- 126		20
Chloroform	4.16	ug/L			4.0	104	76 --- 119		20
Chloromethane	4.01	ug/L			4.0	100	70 --- 121		20
cis-1,2-Dichloroethene	4.16	ug/L			4.0	104	82 --- 118		20

Lab Control Spike Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1123712	Analysis Time:	12:39	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	4.11	ug/L			4.0	103	81 --- 123		20
d8-Toluene	98.0	% Recovery			100	98.0	93 --- 108		
Dibromochloromethane	4.17	ug/L			4.0	104	76 --- 124		20
Dibromofluoromethane	102	% Recovery			100	102	93 --- 106		
Dibromomethane	4.08	ug/L			4.0	102	83 --- 115		20
Dichlorodifluoromethane	4.55	ug/L			4.0	114	78 --- 126		20
Diisopropyl ether	4.16	ug/L			4.0	104	75 --- 125		20
Ethylbenzene	4.26	ug/L			4.0	106	78 --- 125		20
Hexachlorobutadiene	4.15	ug/L			4.0	104	79 --- 123		20
Isopropylbenzene	4.29	ug/L			4.0	107	81 --- 124		20
m & p-Xylene	8.47	ug/L			8.0	106	80 --- 123		20
Methyl tert-butyl ether	4.26	ug/L			4.0	106	82 --- 116		20
Methylene chloride	3.90	ug/L			4.0	98	73 --- 128		20
n-Butylbenzene	4.31	ug/L			4.0	108	76 --- 127		20
n-Propylbenzene	4.33	ug/L			4.0	108	75 --- 129		20
Naphthalene	4.34	ug/L			4.0	108	64 --- 129		20
o-Xylene	4.27	ug/L			4.0	107	81 --- 121		20
p-Isopropyltoluene	4.40	ug/L			4.0	110	79 --- 126		20
sec-Butylbenzene	4.32	ug/L			4.0	108	76 --- 128		20
Styrene	4.26	ug/L			4.0	106	81 --- 122		20
tert-Butylbenzene	4.42	ug/L			4.0	110	76 --- 125		20
Tetrachloroethene	4.15	ug/L			4.0	104	82 --- 123		20
Tetrahydrofuran	38.3	ug/L			40.0	96	69 --- 122		20
Toluene	4.20	ug/L			4.0	105	82 --- 119		20
trans-1,2-Dichloroethene	4.17	ug/L			4.0	104	80 --- 122		20
trans-1,3-Dichloropropene	4.15	ug/L			4.0	104	83 --- 119		20
Trichloroethene	4.06	ug/L			4.0	102	82 --- 120		20
Trichlorofluoromethane	4.34	ug/L			4.0	108	78 --- 130		20
Vinyl acetate	41.8	ug/L			40.0	104	63 --- 136		20
Vinyl chloride	4.00	ug/L			4.0	100	73 --- 127		20

Method Blank Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1123714	Analysis Time:	14:04	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	108	% Recovery			100	108	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	0.84	ug/L		U	0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	99.0	% Recovery			100	99.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1123714	Analysis Time:	14:04	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.014	ug/L		U	0		0.014		
d8-Toluene	100	% Recovery			100	100	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	100	% Recovery			100	100	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.014	ug/L		U	0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Matrix Spike Duplicate Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1123720	Analysis Time:	22:33	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1123719	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.95	ug/L	BDL		4.0	99	67 --- 122	1	21
1,1,1-Trichloroethane	4.41	ug/L	BDL		4.0	110	69 --- 128	0	20
1,1,2,2-Tetrachloroethane	3.65	ug/L	BDL		4.0	91	54 --- 130	3	22
1,1,2-Trichloroethane	3.71	ug/L	BDL		4.0	93	67 --- 116	3	25
1,1-Dichloroethane	4.01	ug/L	BDL		4.0	100	64 --- 124	1	25
1,1-Dichloroethene	4.28	ug/L	BDL		4.0	107	70 --- 130	0	24
1,1-Dichloropropene	4.38	ug/L	BDL		4.0	110	74 --- 127	2	21
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	86 --- 106	0	7
1,2,3-Trichlorobenzene	4.03	ug/L	BDL		4.0	101	56 --- 134	2	31
1,2,3-Trichloropropane	3.29	ug/L	BDL		4.0	82	54 --- 117	3	26
1,2,4-Trichlorobenzene	4.03	ug/L	BDL		4.0	101	56 --- 133	4	29
1,2,4-Trimethylbenzene	4.19	ug/L	BDL		4.0	105	63 --- 132	1	36
1,2-Dibromo-3-chloropropane	3.44	ug/L	BDL		4.0	86	48 --- 121	10	34
1,2-Dibromoethane	3.84	ug/L	BDL		4.0	96	66 --- 114	1	22
1,2-Dichlorobenzene	3.90	ug/L	BDL		4.0	98	63 --- 124	2	23
1,2-Dichloroethane	3.96	ug/L	BDL		4.0	99	60 --- 117	4	21
1,2-Dichloropropane	3.81	ug/L	BDL		4.0	95	67 --- 121	2	19
1,3,5-Trimethylbenzene	4.23	ug/L	BDL		4.0	106	68 --- 130	0	34
1,3-Dichlorobenzene	4.06	ug/L	BDL		4.0	102	66 --- 126	1	22
1,3-Dichloropropane	3.70	ug/L	BDL		4.0	92	67 --- 114	2	23
1,4-Dichlorobenzene	3.91	ug/L	BDL		4.0	98	65 --- 125	1	22
2,2-Dichloropropane	3.76	ug/L	BDL		4.0	94	57 --- 136	0	21
2-Butanone	35.5	ug/L	BDL		40.0	89	67 --- 110	4	29
2-Chlorotoluene	4.10	ug/L	BDL		4.0	102	61 --- 134	3	20
2-Hexanone	35.8	ug/L	BDL		40.0	90	51 --- 128	4	28
4-Chlorotoluene	4.18	ug/L	BDL		4.0	104	65 --- 129	0	22
4-Methyl-2-pentanone	37.0	ug/L	BDL		40.0	92	55 --- 125	1	29
Acetone	34.4	ug/L	BDL		40.0	86	41 --- 101	1	39
Benzene	4.06	ug/L	BDL		4.0	102	71 --- 120	1	17
Bromobenzene	4.14	ug/L	BDL		4.0	104	63 --- 129	1	20
Bromochloromethane	3.68	ug/L	BDL		4.0	92	69 --- 113	4	22
Bromodichloromethane	3.94	ug/L	BDL		4.0	98	66 --- 119	2	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	75 --- 124	0	7
Bromoform	3.68	ug/L	BDL		4.0	92	57 --- 116	4	28
Bromomethane	3.70	ug/L	BDL		4.0	92	11 --- 144	6	34
Carbon disulfide	8.85	ug/L	BDL		8.0	111	62 --- 136	2	31
Carbon tetrachloride	4.34	ug/L	BDL		4.0	108	80 --- 133	1	20
Chlorobenzene	3.89	ug/L	BDL		4.0	97	69 --- 120	1	21
Chloroethane	3.61	ug/L	BDL		4.0	90	61 --- 129	2	26
Chloroform	3.92	ug/L	BDL		4.0	98	64 --- 121	1	18
Chloromethane	3.86	ug/L	BDL		4.0	96	58 --- 120	1	21
cis-1,2-Dichloroethene	4.00	ug/L	BDL		4.0	100	71 --- 117	1	21

Matrix Spike Duplicate Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1123720	Analysis Time:	22:33	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1123719	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
cis-1,3-Dichloropropene	3.72	ug/L	BDL		4.0	93	66	---	116	1	21
d8-Toluene	100	% Recovery			100	100	94	---	105	0	7
Dibromochloromethane	3.87	ug/L	BDL		4.0	97	64	---	115	0	23
Dibromofluoromethane	100	% Recovery			100	100	90	---	108	0	7
Dibromomethane	3.89	ug/L	BDL		4.0	97	68	---	111	1	21
Dichlorodifluoromethane	4.70	ug/L	BDL		4.0	118	68	---	141	4	22
Diisopropyl ether	3.93	ug/L	BDL		4.0	98	57	---	129	2	27
Ethylbenzene	4.20	ug/L	BDL		4.0	105	70	---	128	0	24
Hexachlorobutadiene	4.46	ug/L	BDL		4.0	112	57	---	146	0	30
Isopropylbenzene	4.30	ug/L	BDL		4.0	108	72	---	131	1	24
m & p-Xylene	8.29	ug/L	BDL		8.0	104	70	---	128	0	28
Methyl tert-butyl ether	3.84	ug/L	BDL		4.0	96	60	---	116	1	33
Methylene chloride	3.63	ug/L	BDL		4.0	91	29	---	139	1	36
n-Butylbenzene	4.30	ug/L	BDL		4.0	108	67	---	136	1	24
n-Propylbenzene	4.29	ug/L	BDL		4.0	107	64	---	143	2	23
Naphthalene	3.88	ug/L	BDL		4.0	97	58	---	122	0	31
o-Xylene	4.11	ug/L	BDL		4.0	103	71	---	123	1	26
p-Isopropyltoluene	4.35	ug/L	BDL		4.0	109	71	---	135	1	27
sec-Butylbenzene	4.37	ug/L	BDL		4.0	109	71	---	137	1	23
Styrene	4.03	ug/L	BDL		4.0	101	70	---	125	0	40
tert-Butylbenzene	4.43	ug/L	BDL		4.0	111	70	---	133	0	22
Tetrachloroethene	4.31	ug/L	BDL		4.0	108	75	---	127	2	21
Tetrahydrofuran	33.7	ug/L	BDL		40.0	84	48	---	111	1	28
Toluene	4.05	ug/L	BDL		4.0	101	71	---	120	1	19
trans-1,2-Dichloroethene	4.08	ug/L	BDL		4.0	102	72	---	121	1	28
trans-1,3-Dichloropropene	3.58	ug/L	BDL		4.0	90	69	---	109	3	21
Trichloroethene	4.10	ug/L	BDL		4.0	102	73	---	118	3	19
Trichlorofluoromethane	4.52	ug/L	BDL		4.0	113	75	---	134	2	23
Vinyl acetate	36.4	ug/L	BDL		40.0	91	55	---	127	0	25
Vinyl chloride	3.90	ug/L	BDL		4.0	98	61	---	130	1	21

Matrix Spike Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1123719	Analysis Time:	22:05	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1122442	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.98	ug/L	BDL		4.0	100	67 --- 122		21
1,1,1-Trichloroethane	4.39	ug/L	BDL		4.0	110	69 --- 128		20
1,1,2,2-Tetrachloroethane	3.77	ug/L	BDL		4.0	94	54 --- 130		22
1,1,2-Trichloroethane	3.82	ug/L	BDL		4.0	96	67 --- 116		25
1,1-Dichloroethane	3.99	ug/L	BDL		4.0	100	64 --- 124		25
1,1-Dichloroethene	4.30	ug/L	BDL		4.0	108	70 --- 130		24
1,1-Dichloropropene	4.28	ug/L	BDL		4.0	107	74 --- 127		21
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	86 --- 106		7
1,2,3-Trichlorobenzene	4.09	ug/L	BDL		4.0	102	56 --- 134		31
1,2,3-Trichloropropane	3.39	ug/L	BDL		4.0	85	54 --- 117		26
1,2,4-Trichlorobenzene	4.20	ug/L	BDL		4.0	105	56 --- 133		29
1,2,4-Trimethylbenzene	4.22	ug/L	BDL		4.0	106	63 --- 132		36
1,2-Dibromo-3-chloropropane	3.81	ug/L	BDL		4.0	95	48 --- 121		34
1,2-Dibromoethane	3.89	ug/L	BDL		4.0	97	66 --- 114		22
1,2-Dichlorobenzene	3.97	ug/L	BDL		4.0	99	63 --- 124		23
1,2-Dichloroethane	3.82	ug/L	BDL		4.0	96	60 --- 117		21
1,2-Dichloropropane	3.87	ug/L	BDL		4.0	97	67 --- 121		19
1,3,5-Trimethylbenzene	4.22	ug/L	BDL		4.0	106	68 --- 130		34
1,3-Dichlorobenzene	4.10	ug/L	BDL		4.0	102	66 --- 126		22
1,3-Dichloropropane	3.79	ug/L	BDL		4.0	95	67 --- 114		23
1,4-Dichlorobenzene	3.97	ug/L	BDL		4.0	99	65 --- 125		22
2,2-Dichloropropane	3.76	ug/L	BDL		4.0	94	57 --- 136		21
2-Butanone	34.1	ug/L	BDL		40.0	85	67 --- 110		29
2-Chlorotoluene	4.23	ug/L	BDL		4.0	106	61 --- 134		20
2-Hexanone	37.2	ug/L	BDL		40.0	93	51 --- 128		28
4-Chlorotoluene	4.19	ug/L	BDL		4.0	105	65 --- 129		22
4-Methyl-2-pentanone	37.4	ug/L	BDL		40.0	94	55 --- 125		29
Acetone	34.7	ug/L	BDL		40.0	87	41 --- 101		39
Benzene	4.03	ug/L	BDL		4.0	101	71 --- 120		17
Bromobenzene	4.11	ug/L	BDL		4.0	103	63 --- 129		20
Bromochloromethane	3.83	ug/L	BDL		4.0	96	69 --- 113		22
Bromodichloromethane	3.85	ug/L	BDL		4.0	96	66 --- 119		20
Bromofluorobenzene	102	% Recovery			100	102	75 --- 124		7
Bromoform	3.85	ug/L	BDL		4.0	96	57 --- 116		28
Bromomethane	3.48	ug/L	BDL		4.0	87	11 --- 144		34
Carbon disulfide	8.70	ug/L	BDL		8.0	109	62 --- 136		31
Carbon tetrachloride	4.40	ug/L	BDL		4.0	110	80 --- 133		20
Chlorobenzene	3.91	ug/L	BDL		4.0	98	69 --- 120		21
Chloroethane	3.69	ug/L	BDL		4.0	92	61 --- 129		26
Chloroform	3.89	ug/L	BDL		4.0	97	64 --- 121		18
Chloromethane	3.80	ug/L	BDL		4.0	95	58 --- 120		21
cis-1,2-Dichloroethene	3.97	ug/L	BDL		4.0	99	71 --- 117		21

Matrix Spike Water

Analytical Run #:	210517	Analysis Date:	3/28/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1123719	Analysis Time:	22:05	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1122442	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.68	ug/L	BDL		4.0	92	66 --- 116		21
d8-Toluene	100	% Recovery			100	100	94 --- 105		7
Dibromochloromethane	3.88	ug/L	BDL		4.0	97	64 --- 115		23
Dibromofluoromethane	101	% Recovery			100	101	90 --- 108		7
Dibromomethane	3.86	ug/L	BDL		4.0	96	68 --- 111		21
Dichlorodifluoromethane	4.89	ug/L	BDL		4.0	122	68 --- 141		22
Diisopropyl ether	3.86	ug/L	BDL		4.0	96	57 --- 129		27
Ethylbenzene	4.19	ug/L	BDL		4.0	105	70 --- 128		24
Hexachlorobutadiene	4.48	ug/L	BDL		4.0	112	57 --- 146		30
Isopropylbenzene	4.27	ug/L	BDL		4.0	107	72 --- 131		24
m & p-Xylene	8.27	ug/L	BDL		8.0	103	70 --- 128		28
Methyl tert-butyl ether	3.88	ug/L	BDL		4.0	97	60 --- 116		33
Methylene chloride	3.61	ug/L	BDL		4.0	90	29 --- 139		36
n-Butylbenzene	4.34	ug/L	BDL		4.0	108	67 --- 136		24
n-Propylbenzene	4.38	ug/L	BDL		4.0	110	64 --- 143		23
Naphthalene	3.89	ug/L	BDL		4.0	97	58 --- 122		31
o-Xylene	4.17	ug/L	BDL		4.0	104	71 --- 123		26
p-Isopropyltoluene	4.39	ug/L	BDL		4.0	110	71 --- 135		27
sec-Butylbenzene	4.43	ug/L	BDL		4.0	111	71 --- 137		23
Styrene	4.04	ug/L	BDL		4.0	101	70 --- 125		40
tert-Butylbenzene	4.43	ug/L	BDL		4.0	111	70 --- 133		22
Tetrachloroethene	4.23	ug/L	BDL		4.0	106	75 --- 127		21
Tetrahydrofuran	34.0	ug/L	BDL		40.0	85	48 --- 111		28
Toluene	3.99	ug/L	BDL		4.0	100	71 --- 120		19
trans-1,2-Dichloroethene	4.14	ug/L	BDL		4.0	104	72 --- 121		28
trans-1,3-Dichloropropene	3.68	ug/L	BDL		4.0	92	69 --- 109		21
Trichloroethene	4.24	ug/L	BDL		4.0	106	73 --- 118		19
Trichlorofluoromethane	4.44	ug/L	BDL		4.0	111	75 --- 134		23
Vinyl acetate	36.3	ug/L	BDL		40.0	91	55 --- 127		25
Vinyl chloride	3.92	ug/L	BDL		4.0	98	61 --- 130		21

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	168421	Print Date / Time:	03/24/2022	11:23	
Client:	TRC ENVIRONMENTAL	Received Date / Time / By:	03/24/2022	11:10	erc
Project Name:	RIPON FF/NN LANDFILL	Log-In Date / Time / By:	03/24/2022	11:23	erc
Project Phase:	RIPON, WI	Project #:	472213	PM:	BMS
Coolers:	6469, 6158	Temperature:	<3.7 C	On Ice:	**Y**
Custody Seals Present :	**Y**	COC Present:?	**Y**	Complete?	**Y**
Seal Intact?	**Y**	Numbers:	DATED AND SIGNED		
Ship Method:	FEDEX EXPRESS	Tracking Number:	2712 1157 1247, "1258		
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**		

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

ONE CUSTODY SEAL WAS PRESENT AND INTACT ON EACH COOLER UPON RECEIPT - BOTH WERE DATED 3/23/22 AND SIGNED.

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122442	MW-3A-202203				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1122442	MW-3A-202203				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1122442	MW-3A-202203				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1122442	MW-3A-202203				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122444	MW-3B-202203				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1122444	MW-3B-202203				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122444	MW-3B-202203				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1122444	MW-3B-202203				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**	**Tests**
1122445	P-103D-202203				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1122445	P-103D-202203				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1122445	P-103D-202203				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1122445	P-103D-202203				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**	**Tests**
1122446	P-107D-202203				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1122446	P-107D-202203				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1122446	P-107D-202203				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1122446	P-107D-202203				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122447	P-111D-202203				
		UNPRES PL	1 /		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1122447	P-111D-202203				
		HNO3	1 Y / N		ICP
		Total # of Containers of Type (*HNO3*) = 1			
1122447	P-111D-202203				
		H2SO4 PL	1 Y / N		NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1122447	P-111D-202203				
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 N / N		VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122448	P-113A-202203				
		UNPRES PL	1 /		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1122448	P-113A-202203				
		HNO3	1 Y / N		ICP
		Total # of Containers of Type (*HNO3*) = 1			
1122448	P-113A-202203				
		H2SO4 PL	1 Y / N		NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1122448	P-113A-202203				
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 N / N		VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122449	P-113B-202203				
		UNPRES PL	1 /		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1122449	P-113B-202203				
		HNO3	1 Y / N		ICP
		Total # of Containers of Type (*HNO3*) = 1			
1122449	P-113B-202203				

		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1122449	P-113B-202203						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1122450	P-114-202203						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1122450	P-114-202203						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1122450	P-114-202203						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1122450	P-114-202203						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1122451	P-115-202203						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1122451	P-115-202203						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1122451	P-115-202203						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1122451	P-115-202203						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

1122452	P-116-202203						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1122452	P-116-202203						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1122452	P-116-202203						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1122452	P-116-202203						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1122453	P-117-202203					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1122453	P-117-202203					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1122453	P-117-202203					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1122453	P-117-202203					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	N /	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1122454	P-118-202203					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1122454	P-118-202203					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1122454	P-118-202203					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1122454	P-118-202203				
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 N /	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**	**Tests**
1122455	DUP-01-202203				
		UNPRES PL	1 /		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1122455	DUP-01-202203				
		HNO3	1 Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1122455	DUP-01-202203				
		H2SO4 PL	1 Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1122455	DUP-01-202203				
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 /		VOC
		VOA HCL	1 N /	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**	**Tests**
1122456	TRIP BLANK				
		Trip Blank	1 /		VOC
		Trip Blank	1 /		VOC
		Trip Blank	1 /		VOC
		Total # of Containers of Type	(***Trip Blank***) = **3**		
1122456	TRIP BLANK				
		VOA HCL	1 N /	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **1**		

Condition Code *Condition Description*

1 Sample Received OK

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Page _____ of _____

Company: TRC Env.
Project Contact: Andy Stehn
Telephone: 608-607-8112
Project Name: Ripon FF/NN Landfill
Project #: 472213
Location: Ripon, WI
Sampled By: Wesley Braga

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 168421
Company: TRC ENVIRONMENTAL
Project: RIPON SUPERFUND LF
Logged By: erc PM: BMS

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 179575

Report To:
EMAIL: astehn@trcompanies.com
Company: TRC Env.
Address: 709 Heartland Tr. Ste 3000

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	4 VOCs (8260C)	Dissolved Manganese (6010C)	Nitrate+Nitrite (353.2)	Sulfate (9056A)											Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test																	
3/22/22	1500	GW	G		MW-3A-202203	Y	X	X	X	X													1122442
3/22/22	1531				MW-3B-202203		X	X	X	X													44
3/22/22	1632				P-103D-202203		X	X	X	X													45
3/22/22	0959				P-107D-202203		X	X	X	X													46
3/22/22	1113				P-111D-202203		X	X	X	X													47
3/23/22	1329				P-113A-202203		X	X	X	X													48
3/23/22	1405				P-113B-202203		X	X	X	X													49
3/23/22	1030				P-114-202203		X	X	X	X													50
3/23/22	1137				P-115-202203		X	X	X	X													51
3/23/22	0923				P-116-202203		X	X	X	X													52
3/22/22	1324				P-117-202203		X	X	X	X													53
3/22/22	1223				P-118-202203		X	X	X	X													54

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
Wesley Braga	3/23/22 1700	Erc	3/24/22 1110
Received by:	**Date/Time**	**Received for Laboratory by:**	**Date/Time**
		Erc	3/24/22 1133

Lab Use Only
Ice Present Yes No
Obs. Temp 29, 26 IR Gun 27
Act. Temp _____ Cooler 6464 6158

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Page _____ of _____

Company: TRC Env.
Project Contact: Andy Stehn
Telephone: 608-807-8112
Project Name: Ripon FF/NN Landfill
Project #: 472213
Location: Ripon, WI
Sampled By: Wesley Breyer

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

16842 1

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 179575

Report To:
EMAIL: astehn@trcompanies.com
Company: TRC Env.
Address: 709 Heartland Tr. Ste 3000

Invoice To:*
EMAIL: same
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	Low Lev VOC (8260C)	Diss Manganese (6010C)	Nitrate+Nitrite (353.2)	Sulfate (9056A)										Total # Containers	Designated MS/MSD
							ANALYSES REQUESTED														
							Fill in Spaces with Bottles per Test														
3/23/22	–	GW	G		DUP-01-202203	Y	x	x	x	x												
–	–	W	–		Trip Blank	N	x															

CT Lab ID # *Lab use only*
1172455
" 56

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
Wesley Breyer	3/23/22 1700		3/24/22 1110
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			3/24/22 1137

Lab Use Only
Ice Present Yes No
Obs. Temp 2.9, 2.6 IR Gun 27
Act. Temp _____ Cooler 6+84

6156

Cooler Receipt Form

Ice Present YES NO

Observed Temperature 3.6

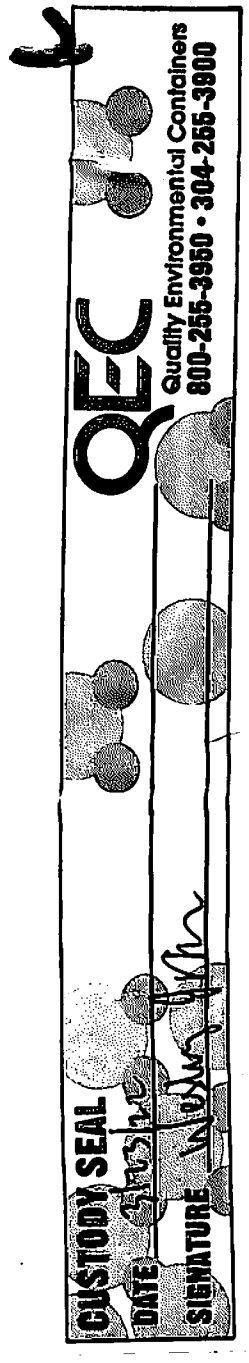
Actual Temperature _____

IR Gun # 27

Initials FMC

Date 3/24/22 Time 1110

Cooler #: 6158



Cooler Receipt Form

Ice Present YES (circled) NO

Observed Temperature 2.9

Actual Temperature ______

IR Gun # 77

Initials DC

Date 3/24/22 Time 1110

Cooler #: 6469

QEC Quality Environmental Containers
800-255-3950 • 304-255-3900

CUSTODY SEAL

DATE 3/23/22

SIGNATURE [signature]

ORIGIN ID:MSNA (608) 234-7374
TRC
708 HEARTLAND TRL STE 3000
REF 472213
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 23MAR22
ACTWGT: 38.00 LB
CAD: 6994589/SSFE2300
DIMS: 21x14x14 IN
BILL THIRD PARTY

TO CT LABORATORIES
CT LABORATORIES
1230 LANGE CT

BARABOO WI 53913
(608) 356-2760 REF:
INV:
PO: DEPT:

FedEx Express E

1 of 2
TRK# 0201 2712 1157 1247
MASTER
55 LNRA

THU - 24 MAR 10:30A
PRIORITY OVERNIGHT

53913
WI-US MSN