Quarterly Progress Report

Fourth Quarter 2021 Reporting Period

January 2022

FF/NN Landfill NPL Site
Ripon, Wisconsin

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1.0 Introduction

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 Fourth Quarter (Q4) of 2021 (Reporting Period October 1 – December 31, 2021) 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 on which tasks were performed, changes in routine tasks, and exceptions to the GMP made in Q4 2021. No changes nor exceptions were made in Q4 2021 to monitoring, site activities, or to the GMP.

2.1 Dates of Importance

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

- November 16 and 17, 2021 – Quarter 4 2021 groundwater sampling event in accordance with the GMP (WDNR, 2013; 2017).
- November 16, 2021 – GEMS transmittal, Q3 2021 monitoring data.
- November 24, 2021 – Quarterly Progress Report – Second Quarter 2021 Reporting Period
- December 1, 2021 – Quarterly Progress Report – Third Quarter 2021 Reporting Period

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/piezometers associated with the Site on November 16, 2021. Field forms from the Q4 2021 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 Q4 are included in Table 1.

Groundwater elevations measured in Layer 3 during the Q4 2021 measurement event indicated a groundwater flow direction toward the southwest, consistent with previous sampling events. Groundwater elevations and flow direction for Layer 3 wells are depicted on Figure 1. The estimated groundwater flow direction in Layer 4 based on data collected in Q4 2021 is to the west as shown on Figure 2. The City of Ripon occasionally pumps from Municipal Well #9, which can influence the groundwater flow direction in Layer 4 to the southeast. Conversations with Mr. Jeremy Jess, Utility Manager for the City of Ripon, confirmed that Well #9 was periodically operational during the Q4 2021 sampling event. When Well #9 is not operational, groundwater flow is toward the west or southwest. When Well #9 is operational, groundwater flow often is toward the southeast but this was not observed during Q4 2021.

3.2 Groundwater Quality Monitoring

This subsection includes an evaluation of the groundwater quality for the Q4 2021 reporting period.

3.2.1 Fourth Quarter 2021

Groundwater samples were collected using low-flow or volume purge sampling methods from 12 monitoring wells/piezometers on November 16 and 17, 2021 by TRC. Groundwater samples were analyzed by CT Laboratories for volatile organic compounds (VOCs) (EPA Method 8260C), nitrate + nitrite as nitrogen (EPA 353.2), and sulfate (EPA 9056A). Due to a field error, samples for manganese analysis were not collected. 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 Aqua 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

In the 12 wells sampled during Q4 2021, vinyl chloride (VC) was the only VOC detected at concentrations above the ES or PAL. The following summarizes the distribution of VOCs detected in each hydrostratigraphic unit:

- Wells in Layer 1 and Layer 2 were not sampled during Q4 2021.
- 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 monitoring 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 Q4 2021 sampling event and results indicated:
  - Acetone and methylene chloride were detected in the trip blank sample at estimated concentrations between the limits of detection and the limits of quantitation. Acetone and methylene chloride are common laboratory contaminants and were not detected in any of the groundwater samples collected during the Q4 2021 sampling event.

3.3 Landfill Gas Extraction System Operations

The landfill gas extraction system (GES) has been operational since 2005 (GeoTrans, 2005). Landfill gas is extracted from gas vent GV-6 and the three deeper 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%. This subsection includes a discussion of system repairs and an evaluation of landfill gas monitoring results at the Site during Q4 2021. Table 4 summarizes the results of landfill gas monitoring during this reporting period.

3.3.1 Landfill Gas Extraction System Troubleshooting and Repairs

During Q4 2021 the GES was shut down for 5 minutes on November 16, 2021 to restart the Proview Controller. The Proview Controller provides remote communication via cellular modem for remote monitoring of equipment operations. This shutdown was completed to reset the modem to restore remote access. No other shutdowns or system repairs were required in Q4 2021.

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 City of Ripon personnel were onsite on a biweekly basis while the system was operating between October 15 and December 29, 2021 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 or the City of Ripon adjusted valve positioning on the extraction well headers to optimize the landfill gas extraction system, as needed. Repositioning of valves was based on measured methane and oxygen concentrations and vacuum readings recorded during the monitoring events. A summary of the monitoring data from each visit is included in Table 4.

3.3.2.2 Gas Probe Monitoring

TRC was onsite on November 16, 2021 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 and from monitoring wells MW-101 through MW-104. As noted above, gas probes GP-1 and GP-2 were also monitored during the biweekly site visits and GP-5 and GP-12 were monitored periodically depending on GP-1 gas concentrations. Methane was observed at MW-101 (0.2 % by volume), MW-104 (0.8 % by volume) and GP-1 (up to 2.3% methane by volume). In review of historical operations, GP-1 has shown low detections of methane and the system will continue to be monitored and adjusted as needed. Methane was not observed in any of the other gas probes monitored. Based on the results of the gas probe monitoring during Q4 2021, current system operations are controlling offsite methane migration.

4.0 References

GeoTrans. 2005. Pilot Test for Landfill Gas Extraction System. FF/NN Landfill, Ripon, Wisconsin. June 29, 2005.

Tetra Tech GEO. 2011. Institutional Control Study/Plan, FF/NN Landfill NPL Site (Ripon City Landfill), Ripon Wisconsin. February 24, 2011.

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
Fourth Quarter 2021

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q4 Depth to Water (Feet)	Q4 GW Elevation (Feet AMSL)
			11/16/2021	11/16/2021
MW-003B	3	850.89	30.22	820.67
P-103D	3	872.91	50.83	822.08
P-111D	3	855.56	35.59	819.97
P-113B	3	833.16	14.05	819.11
P-114	3	839.36	20.27	819.09
P-115 (WIESE)	3	842.67	23.48	819.19
P-116 (HADEL)	3	845.86	27.35	818.51
P-117	3	833.96	16.23	817.73
P-118	3	826.74	9.19	817.55
MW-003A	4	850.60	31.04	819.56
P-107D	4	871.90	52.80	819.1
P-113A	4	833.16	14.58	818.58

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

Created by: P. Popp, 12/14/2021
Checked by: A. Sobbe 12/17/2021

Table 2: Parameters That Exceed Current NR140 Standards
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2021

Chemical Parameter	Units	NR140 PAL	NR140 ES	Well ID	Date	Result	Data Flags	Exceedance
Vinyl chloride	µg/L	0.02	0.2	MW-003B	11/16/2021	*0.066*	J	PAL
				P-103D	11/16/2021	**0.26**		ES
				P-107D	11/16/2021	**5.0**		ES
				P-111D	11/16/2021	**3.6**		ES
				P-114	11/17/2021	**8.2**		ES
				P-114 DUP	11/17/2021	**8.4**		ES
				P-115 (WIESE)	11/17/2021	**0.48**		ES
				P-117	11/17/2021	**1.2**		ES
				P-118	11/17/2021	*0.11*		PAL

Notes:

Created by: P. Popp, 12/14/2021

Checked by: A. Sobbe 12/17/2021

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

Table 3: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2021

Parameter	Units	NR 140 ES	NR 140 PAL	MW-003A 11/16/2021 1075773	MW-003B 11/16/2021 1075774	P-103D 11/16/2021 1075762	P-107D 11/16/2021 1075764	P-111D 11/16/2021 1075765	P-113A 11/17/2021 1075766	P-113B 11/17/2021 1075767
Field Parameters										
pH, field	SU			7.26	7.42	7.07	7.20	7.34	7.35	7.45
Conductance, specific	µmhos/cm			580.98	688.91	814.93	653.10	883.90	573.30	704.96
ORP	mV			-11.4	-64.7	-62.8	-13.2	-60.6	47.7	-90.8
Oxygen, dissolved	mg/L			0.18	0.12	0.24	0.44	0.68	1.29	0.13
Turbidity, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE
Temperature	Deg C			9.50	9.63	10.16	9.64	9.88	10.52	10.56
Color, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE
Odor, field				NONE	SULFUR	NONE	NONE	NONE	NONE	NONE
Inorganic Analytes										
Sulfate, total	mg/L	250	125	20	52	69	29	33	13	74
Organic Analytes										
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	0.02 J	< 0.017	< 0.017	< 0.017
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	0.018 J	< 0.011	< 0.011	< 0.011
Acetone	µg/L	9000	1800	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
Benzene	µg/L	5	0.5	< 0.022	< 0.022	0.028 J	< 0.022	< 0.022	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	1.4 J	0.84 J	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	0.037 J	0.31	1.8	3.4	< 0.023	< 0.023
Methylene chloride	µg/L	5	0.5	< 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	0.038 J	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	0.067 J	0.1	< 0.022	< 0.022	< 0.022
Trimethylbenzenes, total	µg/L	480	96	< 0.013	< 0.013	< 0.013	0.018	< 0.013	< 0.013	< 0.013
Vinyl chloride	µg/L	0.2	0.02	< 0.019	*0.066 J*	**0.26**	**5.0**	**3.6**	< 0.019	< 0.019

Notes:

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

Table 3: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2021

Parameter	Units	NR 140 ES	NR 140 PAL	P-114 11/17/2021 1075768	P-114 DUP 11/17/2021 1075775	P-115 (WIESE) 11/17/2021 1075769	P-116 (HADEL) 11/17/2021 1075770	P-117 11/17/2021 1075771	P-118 11/17/2021 1075772	TRIP BLANK 11/17/2021 1075776
Field Parameters										
pH, field	SU			7.49		7.55	7.54	7.31	7.41	
Conductance, specific	µmhos/cm			816.62		648.47	550.88	790.46	631.12	
ORP	mV			-95.4		-101.7	8.4	-64.2	-54.5	
Oxygen, dissolved	mg/L			0.15		0.20	0.18	0.27	0.20	
Turbidity, field				NONE		NONE	NONE	NONE	NONE	
Temperature	Deg C			10.53		10.75	10.82	10.86	10.63	
Color, field				NONE		NONE	NONE	NONE	NONE	
Odor, field				NONE		NONE	NONE	NONE	NONE	
Inorganic Analytes										
Sulfate, total	mg/L	250	125	63	63	34	13	58	27	
Organic Analytes										
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Acetone	µg/L	9000	1800	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	1.3 J
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	1.9	2	0.21	< 0.023	0.72	< 0.023	< 0.023
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.3 J
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	0.057 J	< 0.022	< 0.022
Trimethylbenzenes, total	µg/L	480	96	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Vinyl chloride	µg/L	0.2	0.02	**8.2**	**8.4**	**0.48**	< 0.019	**1.2**	*0.11*	< 0.019

Notes:

Created by: P. Popp, 12/14/2021
Checked by: A. Sobbe 12/17/2021

1. SU = Standard Units
2. µmhos/cm = micromhos per centimeter
3. Deg C = Degrees Celsius
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9. **BOLD** = Exceedence (or potential exceedence if J- or B-flagged) of the NR 140, WAC ES.
10. *Italics* = Exceedence (or potential exceedence if J- or B-flagged) of the NR 140, WAC PAL.
11. ORP - Oxidation Reduction Potential
12. J = Reported concentration is estimated, between the Limit of Detection (LOD) and the Limit Of Quantitation (LOQ)

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

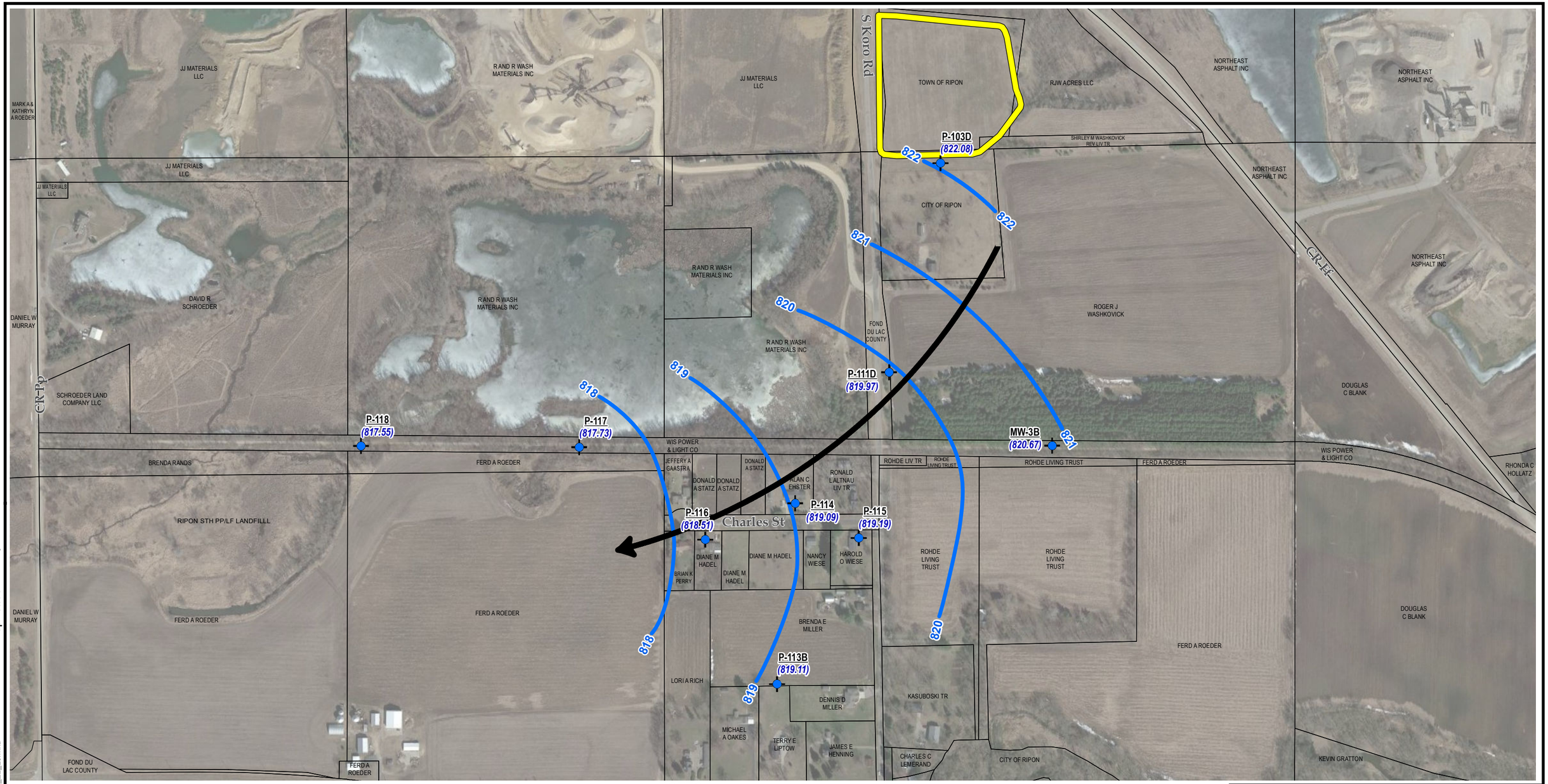
Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
Background	10:03	10/15/2021	0.0	0.0	20.9	79.1	
	10:13	10/27/2021	0.0	0.0	20.9	79.1	
	14:03	11/10/2021	0.0	0.0	20.9	79.1	
	10:20	11/16/2021	0.0	0.0	20.8	79.2	
	13:12	12/3/2021	0.0	0.0	20.9	79.1	
	13:02	12/17/2021	0.0	0.0	20.9	79.1	
	13:34	12/29/2021	0.0	0.0	20.9	79.1	
LC-1	10:28	10/15/2021	28.0	26.6	1.9	43.5	
	10:58	10/27/2021	20.5	19.0	7.4	53.1	
	14:21	11/10/2021	35.0	33.2	0.9	30.9	
	10:59	11/16/2021	28.1	27.2	0.8	43.9	
	13:44	12/3/2021	24.5	28.2	2.7	44.6	
	13:34	12/17/2021	25.0	31.8	0.6	42.6	
	13:55	12/29/2021	16.0	20.4	7.4	56.2	
LC-2	10:39	10/15/2021	36.0	26.6	2.3	35.1	
	11:11	10/27/2021	37.0	27.8	1.6	33.6	
	14:31	11/10/2021	32.5	27.4	4.2	35.9	
	10:33	11/16/2021	38.6	26.9	1.8	32.7	
	13:55	12/3/2021	19.0	15.2	11.3	54.5	
	13:46	12/17/2021	46.0	33.6	1.2	19.2	
	14:14	12/29/2021	43.5	32.4	1.3	22.8	
LC-3	10:34	10/15/2021	32.0	25.0	4.8	38.2	
	11:02	10/27/2021	25.0	30.0	4.9	40.1	
	14:24	11/10/2021	42.0	36.0	1.4	20.6	Quick disconnect on well side needs replacement
	10:45	11/16/2021	41.5	31.2	0.9	26.4	Replaced quick disconnect fitting on well side/Opened header valve 1/4 turn
	13:52	12/3/2021	33.5	33.2	1.5	31.8	
	13:42	12/17/2021	34.0	33.4	1.6	31.0	
	14:08	12/29/2021	30.0	30.4	1.9	37.7	
GV-4	10:26	10/15/2021	0.0	0.0	20.9	79.1	Header valve remains closed due to methane and oxygen concentrations
	10:48	10/27/2021	5.0	14.4	6.2	74.4	Header valve remains closed due to methane and oxygen concentrations
	14:18	11/10/2021	21.0	21.4	6.1	51.5	Header valve remains closed due to methane and oxygen concentrations
	11:05	11/16/2021	0.3	0.5	20.3	78.9	Header valve remains closed due to methane and oxygen concentrations
	13:37	12/3/2021	0.0	0.0	20.9	79.1	Header valve remains closed due to methane and oxygen concentrations
	13:29	12/17/2021	-	-	-	-	Both ports were clogged with ice
	-	12/29/2021	-	-	-	-	Sample ports were frozen
GV-6	10:30	10/15/2021	6.5	15.4	5.9	72.2	
	10:54	10/27/2021	14.0	20.2	2.1	63.7	
	14:33	11/10/2021	17.5	22.8	2.6	57.1	Opened 1/2 turn
	10:38	11/16/2021	10.8	14.5	7.4	67.3	
	13:47	12/3/2021	4.6	10.0	11.1	74.3	
	13:38	12/17/2021	4.0	9.6	11.6	74.9	
	14:04	12/29/2021	-	-	-	-	Well side sample port frozen
GP-1	10:06	10/15/2021	2.3	14.0	1.4	82.4	
	11:06	10/15/2021	2.2	14.4	1.5	82.0	
	10:14	10/27/2021	1.1	10.2	0.5	88.2	
	11:17	10/27/2021	1.2	10.2	0.6	88.0	
	14:05	11/10/2021	0.0	8.6	7.1	84.3	
	15:06	11/10/2021	0.0	8.8	7.0	84.2	
	10:30	11/16/2021	0.0	8.6	7.0	84.4	
	11:27	11/16/2021	0.0	8.7	6.8	84.5	

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-1 (continued)	13:17	12/3/2021	0.0	9.0	6.9	84.1	
	14:17	12/3/2021	0.0	9.4	7.3	83.3	
	13:02	12/17/2021	0.0	6.6	15.0	78.4	
	14:03	12/17/2021	0.0	7.2	15.2	77.6	
	13:34	12/29/2021	0.0	7.6	9.7	82.7	
	14:34	12/29/2021	0.0	7.6	9.9	82.5	
GP-2	10:23	10/15/2021	0.0	0.2	20.9	78.9	
	10:44	10/27/2021	0.0	6.6	12.0	81.4	
	14:15	11/10/2021	0.0	6.0	11.6	82.4	
	12:29	11/16/2021	0.0	10.0	7.0	83.0	
	13:05	11/16/2021	0.0	9.8	7.0	83.2	
	13:33	12/3/2021	0.0	1.2	19.3	79.5	
	13:25	12/17/2021	0.0	2.4	17.1	80.5	
	-	12/29/2021	-	-	-	-	Protective cover frozen
GP-3	12:36	11/16/2021	0.0	3.8	15.4	80.8	
GP-4	12:43	11/16/2021	0.0	2.7	17.2	80.1	
GP-5	10:08	10/15/2021	0.0	6.8	13.9	79.3	
	10:18	10/27/2021	0.0	7.6	13.8	78.6	
	11:59	11/16/2021	0.0	6.7	15.8	77.5	
GP-6	12:52	11/16/2021	0.0	2.5	17.9	79.6	
GP-7	12:49	11/16/2021	0.0	4.5	14.3	81.2	
GP-10	12:25	11/16/2021	0.0	4.0	15.8	80.2	
GP-11	12:13	11/16/2021	0.0	2.6	18.2	79.2	
GP-12	10:04	10/15/2021	0.0	2.8	18.3	78.9	
	11:20	10/27/2021	0.0	3.6	17.4	79.0	
	12:02	11/16/2021	0.0	3.8	16.8	79.4	
Exhaust	10:17	10/15/2021	1.7	1.6	19.8	76.9	
	10:30	10/27/2021	2.1	1.8	19.3	76.9	
	14:09	11/10/2021	3.4	3.0	18.1	75.5	
	10:28	11/16/2021	2.4	2.7	18.5	76.4	
	13:26	12/3/2021	2.0	2.4	18.5	77.1	
	13:13	12/17/2021	2.0	2.4	18.9	76.7	
	13:42	12/29/2021	1.9	2.4	19.2	76.5	
MW-101	12:17	11/16/2021	0.2	1.5	18.3	80.0	
MW-102	11:57	11/16/2021	0.0	3.3	17.9	78.8	
MW-103	12:39	11/16/2021	0.0	2.0	17.7	80.3	
MW-104	12:09	11/16/2021	0.8	15.4	0.7	83.1	

Notes:
CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen
% = Percent

Updated By: A. Sobbe 12/20/2021
Checked by: A. Stehn 1/11/2022



LEGEND

- **MW-112** *(820.67)* — MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- 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
FOURTH QUARTER 2021 REPORTING

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 4 LAYER 3 WELLS
NOVEMBER 16, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 1**
DATE:	JANUARY 2022		

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

FILE NO.: 421748-2021-Q4-002-GW_EL_L3.mxd

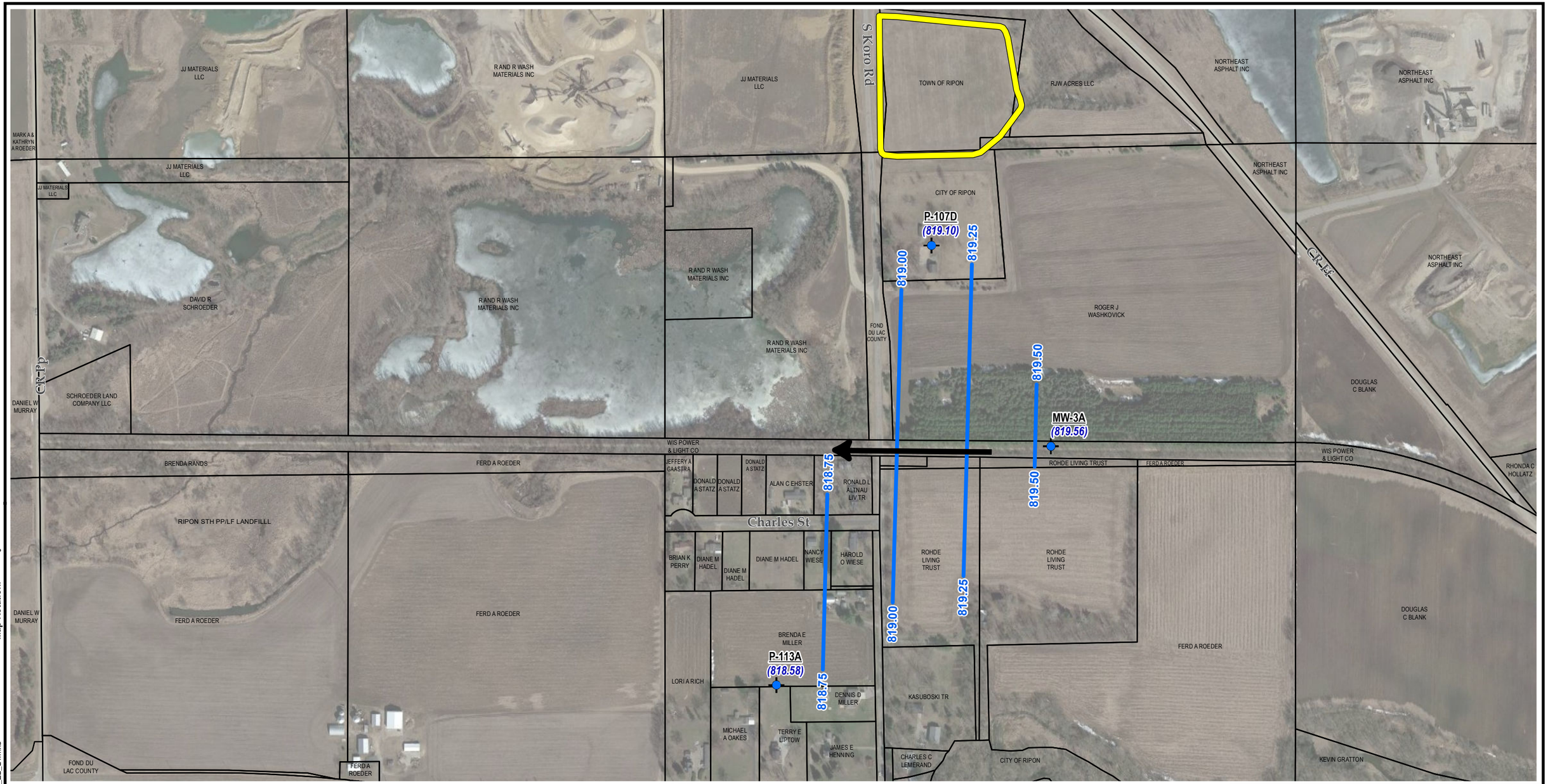
Plot Date: 1/27/2022, 12:57:51 PM by RSUEMNICHT -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\Ripon\421748-2021-Q4-002-GW_EL_L3.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS

TRC - GIS

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

Plot Date: 1/27/2022, 12:58:18 PM by RSUEMNICHT -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\Ripon\421748-2021-Q4-001-GW_EL_L4.mxd



LEGEND

- MW-112 (819.10) — 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
FOURTH QUARTER 2021 REPORTING

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 4 LAYER 4 WELLS
NOVEMBER 16, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 2**
DATE:	JANUARY 2022		

TRC
6737 W Washington St., Suite 2100
West Allis, WI 53214
Phone: 262.679.1212
www.trcsolutions.com

FILE NO.: 421748-2021-Q4-001-GW_EL_L4.mxd

Appendix A: Site Inspection Reports

TRC

PROJECT NAME:	Ripon FF/NN Landffill
PROJECT NUMBER:	421748
PROJECT MANAGER:	Andy Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	11-16-21 & 11-17-21
PURPOSE OF FIELDWORK:	Q4 2021 Groundwater Sampling
WORK PERFORMED BY:	A. Sobbe

11-24-21
SIGNED DATE

John Roelke 11-24-21
CHECKED BY DATE

TRC

CALIBRATION LOG

PROJECT NAME: Ripon FF/NN Landfill	MODEL: In-Situ Aquatroll	SAMPLER: Aaron Sobke
PROJECT NO.: 421748	SERIAL #: 807539	DATE: 11-16-21 & 11-17-21

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 1GB200		PH 4 / 10 (LOT NUMBER): 1GC097		TIME	
6.99	/ 7.00	4.01	/ 4.00	510	11-16-21
7.21	/ 7.00	4.25	/ 4.00	1705	11-16-21
7.00	/ 7.00	3.98	/ 4.00	530	11-17-21
7.18	/ 7.00	4.13	/ 4.00	1805	11-17-21

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 1GC097		TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME	
4465	/ 4490 mS/cm	14.60		525	11-16-21
4186	/ 4490 mS/cm	15.10		1710	11-16-21
4481	/ 4490 mS/cm	15.22		535	11-17-21
4327	/ 4490 mS/cm	15.89		1807	11-17-21

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME	
10.7 mg/L @ 14.25°C	530	11-16-21
10.25 mg/L @ 13.7°C	1725	11-16-21
9.7 mg/L @ 12.75°C	545	11-17-21
11.3 mg/L @ 15.5°C	1810	11-17-21

TURBIDITY CALIBRATION CHECK N/A

CALIBRATION READING (LOT #):	(LOT #):	TIME
/	/	
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 19D106189		TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME	
229	/ 231 mV	18.7		535	11-16-21
210	/ 231 mV	17.6		1715	11-16-21
235	/ 231 mV	16.3		540	11-17-21
215	/ 231 mV	18.9		1820	11-17-21

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

Aaron Sobke 11-24-21
SIGNED DATE

John Roelke 11/24/2021
CHECKED BY DATE

TRC

WATER LEVEL DATA

PROJECT NAME: Ripon FF/NN Landfill				DATE: 11-16-21	
PROJECT NUMBER: 421748				AUTHOR: JAR / AAS	
WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	WATER ELEVATION
MW-101		884.73		64.50	
P-101		885.39		96.49	
MW-102		842.9		24.00	
P-102		842.85		61.15	
MW-103		872.30		53.69	
P-103		872.74		83.02	
P-103D	815	872.91	50.83	192.66	
MW-104		875.20		54.90	
P-104		875.40		92.80	
MW-106		878.90		57.35	
P-106		878.91		87.30	
MW-107		871.69		55.29	
P-107		871.33		87.13	
P-107D	920	871.9	52.80	322.7	
MW-108		845.08		30.28	
P-108		845.48		62.48	
MW-111		856.09		43.79	
P-111		856.28		82.68	
P-111D	912	855.56	35.59	148.46	
MW-112		874.7		60.47	
P-113A	814	833.16	14.58	325.31	
P-113B	816	833.16	14.05	198.9	
P-114	837	839.36	20.27	181.72	
P-115	825	842.67	23.48	179.57	
P-116	831	845.86	27.35	163.19	
P-117	900	833.96	16.23	165.54	
P-118	904	826.74	9.19	167.44	
MW-3A	842	850.60	31.04	280.10	
MW-3B	845	850.89	30.22	185.72	
Rohde		844.98		228.00	
LC-1		876.15		27.70	
LC-2		866.05		27.91	
LC-3		877.34		26.14	

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR
(E.G., 1.1 + 0.00 T/PVC)

11-24-21
SIGNED DATE:

John Roelke 11/24/2021
CHECKED DATE:

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-16-21	BY: JAR DATE: 11-24-2021

SAMPLE ID: P-103D — WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 900	DATE: 11-16-21

PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)

DEPTH TO WATER: 50.83 T/ PVC

DEPTH TO BOTTOM: 192.66 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 12 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY: NA

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 940	DATE: 11-16-21

PH: 7.07 SU CONDUCTIVITY: 814.93 umhos/cm

ORP: -62.8 mv DO: 0.24 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.16 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: FILTRATE ODOR

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
900	300							50.83	INITIAL
905	300	6.69	811.06	-16.3	0.55	none	10.2	50.95	1.5L
910	300	6.79	813.05	-42.2	0.46	none	10.20	50.98	3L
915	300	6.88	813.11	-49.4	0.38	none	10.19	50.95	4.5L
920	300	6.93	813.95	-54.3	0.33	none	10.16	51.00	6L
925	300	6.98	813.65	-56.2	0.29	none	10.12	51.00	7.5L
930	300	7.00	813.58	-57.7	0.27	none	10.10	51.00	9L
935	300	7.04	815.96	-61.6	0.25	none	10.12	51.00	10.5L
940	300	7.07	814.93	-62.8	0.24	none	10.16	51.00	12L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: **3%** ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	PLASTIC	B	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-16-21	BY: JAR DATE: 11-24-2021

SAMPLE ID: P-107D — WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1040	DATE: 11-16-21

PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)

DEPTH TO WATER: 52.80 T/ PVC

DEPTH TO BOTTOM: 322.7 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9.25 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1205	DATE: 11-16-21

PH: 7.20 SU CONDUCTIVITY: 635.10 umhos/cm

ORP: -13.2 mv DO: 0.44 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 9.64 °C OTHER:

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1040	50							52.80	INITIAL
1045	50	7.20	632.62	-9.7	3.69	clear	9.31	52.80	250 mL
1050	50	7.19	637.33	-12.9	3.28	none	9.74	52.80	.5 L
1055	50	7.19	637.30	-7.8	4.04	none	8.93	52.80	.75 L
1105	50	7.15	626.19	-7.2	3.69	none	8.93	52.80	1.25 L
1115	300	7.18	615.17	-2.8	2.99	none	9.96	52.65	~~1.5 L~~ 1.71 L
1120	300	7.17	~~647.78~~ 647.78	-20.4	4.26	none	9.94	52.70	2.5 L
1125	300	7.16	635.77	-8.5	4.89	none	9.88	52.72	3.25 L
1130	300	7.15	634.81	-3.3	0.75	none	9.44	52.77	4 L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	~~☑ Y ☐ N~~					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

Could not get well to purge more than 50 mL/min. First time the well has done this.

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: Rigan FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AS	DATE: 11-16-21	BY: JAR	DATE: 11-24-2021

SAMPLE ID: P-107D

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1135	300	7.16	636.54	-2.5	0.88	none	9.25	52.77	4.75L
1140	300	7.17	656.07	-0.9	0.91	none	9.13	52.75	5.50L
1145	300	7.19	640.26	0.2	1.32	none	8.80	52.72	6.25L
1150	300	7.17	674.49	-3.0	0.73	none	9.69	52.73	7L
1155	300	7.19	644.46	-9.0	0.45	none	9.55	52.75	7.75L
1200	300	7.19	648.44	-10.0	0.45	none	9.68	52.77	8.5L
1205	300	7.20	635.10	-13.2	0.44	none	9.64	52.77	9.25L

* Discharge fluctuates. During refill stage of the pump, water flows back into the well from the flow through cell.

SIGNATURE: [signature] DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-16-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-111D — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1230	DATE: 11-16-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER: 35.59	T/ PVC	
DEPTH TO BOTTOM: 148.46	T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 7.5	☑ LITERS ☐ GALLONS	
COLOR: clear	ODOR: none	
TURBIDITY: NA		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1255	DATE: 11-16-21
PH: 7.34 SU	CONDUCTIVITY: 883.90 umhos/cm	
ORP: -60.6 mv	DO: 0.68 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 9.88 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES	☒ NO	
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☐ MS/MSD	☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1230	300								INITIAL
1235	300	7.34	884.35	-58.2	0.69	none	9.83	35.68	1.5L
1240	300	7.34	884.74	-58.2	0.65	none	9.87	35.65	3L
1245	300	7.34	883.87	-59.1	0.68	none	9.88	35.63	4.5L
1250	300	7.34	884.02	-59.9	0.67	none	9.88	35.65	6L
1255	300	7.34	883.90	-60.6	0.68	none	9.88	35.65	7.5L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	~~☑ Y ☐ N~~					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-17-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-113A — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 945	DATE: 11-17-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED)	
	☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	14.58 T/ PVC	
DEPTH TO BOTTOM:	325.31 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	13.5 ☒ LITERS ☐ GALLONS	
COLOR:	clear	ODOR: none
TURBIDITY: NA		
☒ NONE	☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1040	DATE: 11-17-21
PH: 7.35 SU	CONDUCTIVITY: 573.30 umhos/cm	
ORP: 47.7 mv	DO: 1.29 mg/L	
TURBIDITY: NA NTU		
☒ NONE	☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 10.52 °C	OTHER:	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um)	☐ YES ☒ NO	
FILTRATE COLOR	FILTRATE ODOR	
QC SAMPLE: ☐ MS/MSD	☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
945									INITIAL
950	300	7.80	570.45	-66.7	3.97	none	10.84	15.82	1.5L
955	300	7.42	574.89	-25.3	0.69	none	10.53	16.60	3L
1000	300	7.38	575.50	1.2	0.68	none	10.51	16.70	4.5L
1005	300	7.37	575.94	31.4	0.57	none	10.49	16.67	6L
1010	300	7.36	557.58	35.3	0.65	none	10.49	16.80	7.5L
1015	300	7.36	575.14	38.5	0.78	none	10.45	16.75	8.5L
1020	200	7.36	575.45	40.9	0.84	none	10.45	16.80	9.5L
1025	200	7.35	574.86	44.5	1.00	none	10.48	16.70	10.5L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: Rigun FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-17-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-113A

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1030	200	7.35	574.53	45.7	1.12	NOM	10.49	16.75	11.5
1035	200	7.35	573.80	46.7	1.23	NOM	10.49	16.73	12.5
1040	200	7.35	573.30	47.7	1.29	NOM	10.52	16.74	13.5

SIGNATURE: [signature] DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 11-17-21	BY: JAR	DATE: 11/24/2021

SAMPLE ID: P-113B — WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 900	DATE: 11-17-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER: 14.16 T/ PVC		
DEPTH TO BOTTOM: 198.9 T/ PVC		
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 12	☒ LITERS ☐ GALLONS	
COLOR: clear	ODOR: none	
TURBIDITY: NA		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 940	DATE: 11-17-21
PH: 7.45 SU	CONDUCTIVITY: 704.96 umhos/cm	
ORP: -90.8 mv	DO: 0.13 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 10.56 °C	OTHER:	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES	☒ NO	
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☐ MS/MSD	☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
900									INITIAL
905	300	7.51	704.52	-89.4	0.40	none	10.63	14.21	1.5L
910	300	7.46	704.84	-83.6	0.30	none	10.63	14.20	3L
915	300	7.45	704.82	-85.5	0.26	none	10.56	14.25	4.5L
920	300	7.45	706.03	-87.6	0.23	none	10.58	14.22	6L
925	300	7.45	705.57	-88.4	0.17	none	10.58	14.25	7.5L
930	300	7.45	704.88	-89.2	0.15	none	10.57	14.25	9L
935	300	7.45	704.37	-89.9	0.13	none	10.55	14.24	10.5L
940	300	7.45	704.96	-90.8	0.13	none	10.56	14.25	12L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	~~☑ Y ☐ N~~					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-17-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-114 WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1205	DATE: 11-17-21
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)		
DEPTH TO WATER: 20.43 T/ PVC		
DEPTH TO BOTTOM: 181.72 T/ PVC		
WELL VOLUME: ☐ LITERS ☐ GALLONS		
VOLUME REMOVED: 7 ☒ LITERS ☐ GALLONS		
COLOR: clear ODOR: none		
TURBIDITY: NA ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1240	DATE: 11-17-21
PH: 7.49 SU	CONDUCTIVITY: 816.62 umhos/cm	
ORP: -95.4 mv	DO: 0.15 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 10.53 °C	OTHER:	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR:	FILTRATE ODOR	
QC SAMPLE: ☐ MS/MSD ☒ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1205	200								INITIAL
1210	200	7.43	815.67	-101.3	0.36	none	10.63	20.45	1L
1215	200	7.45	817.69	-103.0	0.28	none	10.58	20.45	2L
1220	200	7.49	819.48	-93.9	0.22	none	10.58	20.45	3L
1225	200	7.49	819.28	-93.4	0.19	none	10.59	20.45	4L
1230	200	7.49	818.02	-94.6	0.17	none	10.61	20.45	5L
1235	200	7.49	817.17	-95.6	0.16	none	10.55	20.45	6L
1240	200	7.49	816.62	-95.4	0.15	none	10.53	20.45	7L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
6	40 mL	VOA	E	☐ Y ☑ N	2	250 mL	PLASTIC	C	☐ Y ☑ N
2	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	~~☑ Y ☐ N~~					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-17-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-115 WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1310	DATE: 11-17-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER: [redacted].68 T/ PVC		
DEPTH TO BOTTOM: 179.57 T/ PVC		
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 5	☒ LITERS ☐ GALLONS	
COLOR: Clear	ODOR: none	
TURBIDITY: NA		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1335	DATE: 11-17-21
PH: 7.55 SU	CONDUCTIVITY: 648.47 umhos/cm	
ORP: -101.7 mv	DO: 0.20 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 10.75 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1310									INITIAL
1315	200	7.56	651.38	-103.9	0.26	none	10.96	23.75	1L
1320	200	7.55	649.69	-102.9	0.23	none	10.95	23.75	2L
1325	200	7.55	649.24	-102.3	0.21	none	10.86	23.75	3L
1330	200	7.55	648.96	-102.1	0.20	none	10.82	23.75	4L
1335	200	7.55	648.47	-101.7	0.20	none	10.75	23.75	5L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	B	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE: [signature]	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 11-17-21	BY: JAR	DATE: 11/24/2021

SAMPLE ID: P-116 — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1120	DATE: 11-17-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	27.42 T/ PVC	
DEPTH TO BOTTOM:	163.19 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	5.5 ☒ LITERS ☐ GALLONS	
COLOR:	clear	ODOR: none
TURBIDITY: NA	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1145	DATE: 11-17-21
PH: 7.54 SU	CONDUCTIVITY: 550.88 umhos/cm	
ORP: 8.4 mv	DO: 0.18 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 10.82 °C	OTHER:	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR:	FILTRATE ODOR	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1120	300							27.42	INITIAL
1125	300	7.57	549.7	37.2	0.42	none	10.91	28.20	1.5L
1130	200	7.55	552.28	0.6	0.25	none	10.68	28.05	3.5L
1135	200	7.55	550.99	4.3	0.22	none	10.72	28.05	3.5L
1140	200	7.55	551.16	7.9	0.20	none	10.75	27.95	4.5L
1145	200	7.54	550.88	8.4	0.18	none	10.82	27.95	5.5L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	PLASTIC	B	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-17-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-117 WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 800	DATE: 11-17-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	16.20 T/ PVC	
DEPTH TO BOTTOM:	165.54 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	7.5 ☒ LITERS ☐ GALLONS	
COLOR:	Clear ODOR: none	
TURBIDITY: NA		
☒ NONE	☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 825	DATE: 11-17-21
PH: 7.31 SU	CONDUCTIVITY: 790.46 umhos/cm	
ORP: -64.2 mv	DO: 0.27 mg/L	
TURBIDITY: NA NTU		
☒ NONE	☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 10.86 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um)	☐ YES ☒ NO	
FILTRATE COLOR	FILTRATE ODOR	
QC SAMPLE: ☐ MS/MSD	☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
800	306								
								16.20	INITIAL
805	300	7.33	789.30	-62.9	0.43	none	10.91	16.32	1.5L
810	300	7.30	789.59	-62.6	0.31	none	10.86	16.34	3L
815	300	7.30	789.90	-63.0	0.27	none	10.82	16.35	4.5L
820	300	7.31	790.36	-63.7	0.26	none	10.84	16.37	6L
825	300	7.31	790.46	-64.2	0.27	none	10.86	16.36	7.5L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	~~☑ Y ☐ N~~					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421749	BY: AAS DATE: 11-17-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: P-118 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 710	DATE: 11-17-21

PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)

DEPTH TO WATER: 9.12 T/ PVC

DEPTH TO BOTTOM: 167.44 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 740	DATE: 11-17-21

PH: 7.41 SU CONDUCTIVITY: 631.12 umhos/cm

ORP: -54.5 mv DO: 0.20 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.63 °C OTHER:

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: FILTRATE ODOR

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
710	300							9.12	INITIAL
715	300	7.37	630.68	-48.5	0.82	none	10.75	9.15	1.5L
720	300	7.37	631.21	-47.6	0.37	none	10.72	9.15	3L
725	300	7.38	631.32	-49.2	0.28	none	10.67	9.15	4.5L
730	300	7.39	631.39	-51.1	0.23	none	10.64	9.15	6L
735	300	7.40	631.27	-53.7	0.21	none	10.63	9.15	7.5L
740	300	7.41	631.12	-54.5	0.20	none	10.63	9.15	9L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-16-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: MW-3A — WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1450	DATE: 11-16-21
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)		
DEPTH TO WATER: 31.65 T/ PVC		
DEPTH TO BOTTOM: 280.10 T/ PVC		
WELL VOLUME: ☐ LITERS ☐ GALLONS		
VOLUME REMOVED: 9 ☒ LITERS ☐ GALLONS		
COLOR: Clear ODOR: none		
TURBIDITY: NA ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1520	DATE: 11-16-21
PH: 7.26 SU	CONDUCTIVITY: 580.98 umhos/cm	
ORP: -11.4 mv	DO: 0.18 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 9.50 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1450	300							31.65	INITIAL
1455	300	7.48	580.59	-88.4	0.42	none	9.55	33.03	1.5L
1501	300	7.33	581.09	-62.8	0.23	none	9.60	33.03	3L
1505	300	7.28	581.62	-20.6	0.18	none	9.56	33.00	4.5L
1510	300	7.27	581.13	-20.5	0.18	none	9.55	32.88	6L
1515	300	7.26	581.26	-12.1	0.18	none	9.55	32.81	7.5L
1520	300	7.26	580.98	-11.4	0.18	none	9.50	32.78	9L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	☑ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 11-16-21	BY: JAR DATE: 11/24/2021

SAMPLE ID: MW-3B — WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1335	DATE: 11-16-21
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)		
DEPTH TO WATER: 30.22 T/ PVC		
DEPTH TO BOTTOM: 185.72 T/ PVC		
WELL VOLUME: ~~185.72~~ ☐ LITERS ☐ GALLONS		
VOLUME REMOVED: 19.5 ☒ LITERS ☐ GALLONS		
COLOR: Clear ODOR: Sulfur		
TURBIDITY: NA		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1440	DATE: 11-16-21
PH: 7.42 SU	CONDUCTIVITY: 688.91 umhos/cm	
ORP: -64.7 mv	DO: 0.12 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 9.63 °C	OTHER:	
COLOR: Clear	ODOR: Sulfur	
FILTRATE (0.45 um) ☐ YES ☒ NO		
FILTRATE COLOR	FILTRATE ODOR	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1340	300	7.62	690.61	-232.5	0.32	none	9.61	30.40	~~INITIAL~~ 1.5L
1345	300	7.53	718.27	-212.2	0.30	none	9.60	30.40	3L
1350	300	7.48	721.80	-187.5	0.32	none	9.62	30.40	4.5L
1355	300	7.47	719.19	-177.2	0.35	none	9.62	30.42	6L
1400	300	7.46	720.25	-159.7	0.46	none	9.60	30.40	7.5L
1405	300	7.45	720.78	-141.0	0.58	none	9.56	30.46	9L
1410	300	7.45	719.20	-128.2	0.66	none	9.64	30.40	10.5
1415	300	7.45	717.66	-115.5	0.71	none	9.60	30.40	12L
1420	300	7.44	719.41	-94.8	0.82	none	9.38	30.40	13.5L

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: % ORP: +/- **10** D.O.: % **10** TURB: +/- **10** ORP +/- **10** TEMP.: %

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N
1	250 mL	PLASTIC	A	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~250 mL~~	~~PLASTIC~~	~~B~~	~~☒ Y ☐ N~~					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 11-17-21	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 11-24-21

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 11-16-21	BY: JAR	DATE: 11/24/2021

SAMPLE ID: MW-3B

restarted pump. → oscillating flow

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1425	300	7.43	715.41	-73.7	0.16	none	9.55	30.48	15 L
1430	300	7.42	700.86	-69.3	0.13	none	9.60	30.55	16.5L
1435	300	7.42	695.69	-64.2	0.11	none	9.60	30.60	18L
1440	300	7.42	688.91	-64.7	0.12	none	9.63	30.65	19.5L

SIGNATURE: [signature]

DATE SIGNED: 11-24-21

GAS MONITORING FORM
FF/NN Landfill Ripon, WI (WDNR Lic. # 467)

TRC

TECHNICIAN(S): John Roelke

GAS/INSTRUMENT TYPE: GEM 2000
SERIAL NO.: 11668
DATE LAST CALIBRATED: 11/16/24
METHOD: Standard Calibration Gases
PRESSURE INSTRUMENT: Dwyer Manometer
Dwyer Anemometer

DATE: 11/16/21
START TIME: 10:20
END TIME: 11:30
WEATHER CONDITIONS: Cloudy
TEMPERATURE: 37 (°F)
BAROMETRIC PRESSURE: 30.06 (in. Hg)
BAROMETRIC Pr. TREND: falling
GROUND CONDITIONS: moist
WATER LEVEL IN KNOCKOUT TANK 6.09 (ft)

Well No.	Time	Available Header Pressure (in. W.C.)	Applied Well Pressure (in. W.C.)	(1) Applied Air Velocity (ft/min)	(1) Applied Air Flow (cfm)	Methane (% LEL)	Methane (%, by vol.)	Carbon Dioxide (%, by vol.)	Oxygen (%, by vol.)	Initial Valve Setting (# Turns)	Final Valve Setting (# Turns)	Final Header Pressure (in. W.C.)	Final Well Pressure (in. W.C.)	(1) Final Applied Air Velocity (ft/min)	(1) Final Applied Air Flow (cfm)	Comments
Background	10:20	NA	NA	NA	NA	0.0	0.0	0.0	20.8	NA	NA	NA	NA	NA	NA	
LC-1	10:59	-8.51	-2.60			>5	28.1	27.2	0.8	1.5/12	1.5/12					
LC-2	10:33	-8.24	-8.13			>5	38.6	26.9	1.8	/12	/12					
LC-3	10:45	-8.76	-1.17			>5	41.5	31.2	0.9	.5/12	.75/12	-7.03	-5.61			replaced PH fitting
GV-6	10:38	-8.17	0.04			>5	10.8	14.5	7.4	0/12	.5/12					
GV-4	11:05	-8.44	0.0			6	0.3	0.5	20.3	0/12	0/12					
GP-1	10:30	NA	0.0	NA	NA	0.0	0.0	8.6	7.0	NA	NA	NA	NA	NA	NA	
GP-1	11:27	NA	0.0	NA	NA	0.0	0.0	8.7	6.8	NA	NA	NA	NA	NA	NA	
GP-2	12:29	NA	0.0	NA	NA	0.0	0.0	10.0	7.0	NA	NA	NA	NA	NA	NA	
BLOWER INLET	10:24	-16.17	NA	NA	NA	40	2.0	2.2	18.9				NA	NA	NA	
DILUTION VALVE	10:26	-4.84	NA			0.0	0.0	0.0	20.8	4/12	4/12		NA			
EXHAUST	10:28	-0.29	NA	NA	NA	48	2.4	2.7	18.5	NA	NA		NA	NA	NA	

Notes:

1. Air velocity is measured with an Anemometer.
2. Technician to inspect each wellhead for leaks and provide notes in comment section.
3. NM=Not Measures, NA=Not Applicable

Gas Probe Monitoring Form
FF/NN Landfill Ripon, WI (WDNR Lic. # 467)

Technician(s): John Kuelker

Date: 11/16/21
Start Time: 11:27
End Time: 13:05

Gas/Instrument Type: GEM 2000
Serial No.: 11668
Date Last Calibrated: 11/16/21
Method: Standard Calibration Gases or Other
Pressure Instrument: Dwyer Manometer or other

Gas Probe	Time	Pwell (in.H_2O)	Methane (% LEL)	Methane (% by Vol.)	Carbon Dioxide (% by Vol.)	Oxygen (% by Vol.)	
GP-1	11:27	0.0	0.0	0.0	8.7	6.8	
GP-2	12:29	0.0	0.0	0.0	10.0	7.0	
GP-2	13:05	0.0	0.0	0.0	9.8	7.0	
GP-3	12:36	0.0	0.0	0.0	3.8	15.4	
GP-4	12:43	0.0	0.0	0.0	2.7	17.2	
GP-5	11:59	0.0	0.0	0.0	6.7	15.8	
GP-6	12:52	0.0	0.0	0.0	2.5	17.9	
GP-7	12:49	0.0	0.0	0.0	4.5	14.3	
GP-8			NA				
GP-10	12:25	0.0	0.0	0.0	4.0	15.8	
GP-11	12:13	0.0	0.0	0.0	2.6	18.2	
GP-12	12:02	0.0	0.0	0.0	3.8	16.8	
MW-101	12:17	+0.09	~~0.0~~ 4	~~0.0~~ 2	1.5	18.3	Stable readings @2min
MW-102	11:57	0.0	0.0	0.0	3.3	17.9	
MW-103	12:39	Open to ATM	0.0	0.0	2.0	17.7	
MW-104	12:09	Open to ATM	16	0.8	15.4	0.7	

JAK 11/16/21

Notes:
% LEL = Percent Lower Explosive Limit
% by Vol. = Percent by volume
Footnotes:
(1) Gas reading greater than 100% LEL for methane (equivalent to >5% methane by volume).

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)

Data assessment (CT Laboratories, Baraboo, WI; Folder #:165961):
All holding times, field qc, and lab qc met criteria, except as specified below.
MS/MSD/LCS
Nitrate+Nitrite Nitrogen: MS and/or MSD recovery above control limits; detections estimated with a potential high bias, "j+"
trans-1,3-dichloropropene: LCS and/or LCSD recovery below control limits; estimated with a potential low bias, "j-"
2-hexanone: RPD above control limits; detections considered estimated, "j"
BLANKS-Sample detections <5x blank value were flagged as nondetect ('u') at the reported concentration.
Analytes in method blanks: 2-Hexanone 0.158, Acetone 2.10, Methylene chloride 0.109
Analytes in trip blanks: Acetone 1.3, Methylene chloride 0.30
Data has been reviewed per TRC data usability guidelines and is usable with the above notations.
P Popp, 12/14/2021

P-114	%RPD
SULFATE, TOTAL	0
CIS-1,2-DICHLOROETHENE	5
VINYL CHLORIDE	2

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

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Project #: 421748
Folder #: 165961
Purchase Order #:
Contract #: 3276

Arrival Temperature: 2.1
Report Date: 12/6/2021
Date Received: 11/18/2021
Reprint Date: 12/6/2021

CT LAB#: 1075762 Sample Description: P-103D License/Well #: 00467/141 Sampled: 11/16/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	69	mg/L	4.0	13	5			11/24/2021 13:37	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1	M		11/22/2021 11:25	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/28/2021 23:02	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:02	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#: 1075762 Sample Description: P-103D License/Well #: 00467/141 Sampled: 11/16/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/28/2021 23:02	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/28/2021 23:02	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/28/2021 23:02	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/28/2021 23:02	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/28/2021 23:02	RLD	EPA 8260C
Benzene	0.028	ug/L	0.022 *	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/28/2021 23:02	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/28/2021 23:02	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.31	ug/L	0.023	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:02	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#: 1075762 Sample Description: P-103D License/Well #: 00467/141 Sampled: 11/16/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/28/2021 23:02	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/28/2021 23:02	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/28/2021 23:02	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/28/2021 23:02	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/28/2021 23:02	RLD	EPA 8260C
Trichloroethene	0.067	ug/L	0.022 *	0.10	1			11/28/2021 23:02	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/28/2021 23:02	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/28/2021 23:02	RLD	EPA 8260C
Vinyl chloride	0.26	ug/L	0.019	0.10	1			11/28/2021 23:02	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#: 1075762 Sample Description: P-103D License/Well #: 00467/141 Sampled: 11/16/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			11/28/2021 23:02	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			11/28/2021 23:02	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/28/2021 23:02	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/28/2021 23:02	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#: 1075764 Sample Description: P-107D License/Well #: 00467/119 Sampled: 11/16/2021 12:05

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			11/24/2021 13:57	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:31	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
1,1-Dichloroethane	0.020	ug/L	0.017 *	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,2,4-Trimethylbenzene	0.018	ug/L	0.011 *	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/28/2021 23:31	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/28/2021 23:31	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/28/2021 23:31	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#: 1075764 Sample Description: P-107D License/Well #: 00467/119 Sampled: 11/16/2021 12:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/28/2021 23:31	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/28/2021 23:31	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/28/2021 23:31	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/28/2021 23:31	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Chloroethane	1.4	ug/L	0.40 *	1.5	1			11/28/2021 23:31	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.8	ug/L	0.023	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/28/2021 23:31	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/28/2021 23:31	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/28/2021 23:31	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#: 1075764 Sample Description: P-107D License/Well #: 00467/119 Sampled: 11/16/2021 12:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/28/2021 23:31	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/28/2021 23:31	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/28/2021 23:31	RLD	EPA 8260C
Trichloroethene	0.10	ug/L	0.022	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/28/2021 23:31	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/28/2021 23:31	RLD	EPA 8260C
Vinyl chloride	5.0	ug/L	0.019	0.10	1			11/28/2021 23:31	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			11/28/2021 23:31	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			11/28/2021 23:31	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/28/2021 23:31	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			11/28/2021 23:31	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#: 1075765 Sample Description: P-111D License/Well #: 00467/130 Sampled: 11/16/2021 12:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	33	mg/L	4.0	13	5			11/24/2021 14:18	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:32	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/28/2021 23:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/28/2021 23:59	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/28/2021 23:59	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#: 1075765 Sample Description: P-111D License/Well #: 00467/130 Sampled: 11/16/2021 12:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/28/2021 23:59	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/28/2021 23:59	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/28/2021 23:59	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/28/2021 23:59	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Chloroethane	0.84	ug/L	0.40 *	1.5	1			11/28/2021 23:59	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.4	ug/L	0.023	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/28/2021 23:59	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/28/2021 23:59	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/28/2021 23:59	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#: 1075765 Sample Description: P-111D License/Well #: 00467/130 Sampled: 11/16/2021 12:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/28/2021 23:59	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/28/2021 23:59	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.038	ug/L	0.020 *	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/28/2021 23:59	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/28/2021 23:59	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/28/2021 23:59	RLD	EPA 8260C
Vinyl chloride	3.6	ug/L	0.019	0.10	1			11/28/2021 23:59	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			11/28/2021 23:59	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			11/28/2021 23:59	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/28/2021 23:59	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			11/28/2021 23:59	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#: 1075766 Sample Description: P-113A License/Well #: 00467/136 Sampled: 11/17/2021 10:40

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			11/24/2021 14:39	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:33	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 00:27	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 00:27	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 00:27	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#: 1075766 Sample Description: P-113A License/Well #: 00467/136 Sampled: 11/17/2021 10:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 00:27	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 00:27	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 00:27	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 00:27	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 00:27	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 00:27	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 00:27	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 00:27	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#: 1075766 Sample Description: P-113A License/Well #: 00467/136 Sampled: 11/17/2021 10:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 00:27	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 00:27	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 00:27	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 00:27	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 00:27	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/29/2021 00:27	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			11/29/2021 00:27	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			11/29/2021 00:27	RLD	EPA 8260C
d8-Toluene	102	% Recovery	70.0	130	1			11/29/2021 00:27	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/29/2021 00:27	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#: 1075767 Sample Description: P-113B License/Well #: 00467/138 Sampled: 11/17/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	74	mg/L	4.0	13	5			11/24/2021 15:00	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:34	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 00:55	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 00:55	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 00:55	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#: 1075767 Sample Description: P-113B License/Well #: 00467/138 Sampled: 11/17/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 00:55	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 00:55	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 00:55	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 00:55	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 00:55	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 00:55	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 00:55	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 00:55	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#: 1075767 Sample Description: P-113B License/Well #: 00467/138 Sampled: 11/17/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 00:55	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 00:55	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 00:55	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 00:55	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 00:55	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/29/2021 00:55	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			11/29/2021 00:55	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			11/29/2021 00:55	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/29/2021 00:55	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			11/29/2021 00:55	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#: 1075768 Sample Description: P-114 License/Well #: 00467/140 Sampled: 11/17/2021 12:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	63	mg/L	0.80	2.5	1			11/24/2021 15:20	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:36	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 01:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 01:24	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 01:24	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#: 1075768 Sample Description: P-114 License/Well #: 00467/140 Sampled: 11/17/2021 12:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 01:24	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 01:24	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 01:24	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 01:24	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 01:24	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.9	ug/L	0.023	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 01:24	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 01:24	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 01:24	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#: 1075768 Sample Description: P-114 License/Well #: 00467/140 Sampled: 11/17/2021 12:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 01:24	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 01:24	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 01:24	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 01:24	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 01:24	RLD	EPA 8260C
Vinyl chloride	8.2	ug/L	0.019	0.10	1			11/29/2021 01:24	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			11/29/2021 01:24	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			11/29/2021 01:24	RLD	EPA 8260C
d8-Toluene	102	% Recovery	70.0	130	1			11/29/2021 01:24	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/29/2021 01:24	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#: 1075769 Sample Description: P-115 License/Well #: 00467/142 Sampled: 11/17/2021 13:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	34	mg/L	0.80	2.5	1			11/24/2021 15:41	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:37	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 01:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 01:52	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 01:52	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#: 1075769 Sample Description: P-115 License/Well #: 00467/142 Sampled: 11/17/2021 13:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 01:52	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 01:52	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 01:52	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 01:52	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 01:52	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.21	ug/L	0.023	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 01:52	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 01:52	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 01:52	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#: 1075769 Sample Description: P-115 License/Well #: 00467/142 Sampled: 11/17/2021 13:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 01:52	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 01:52	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 01:52	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 01:52	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 01:52	RLD	EPA 8260C
Vinyl chloride	0.48	ug/L	0.019	0.10	1			11/29/2021 01:52	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			11/29/2021 01:52	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			11/29/2021 01:52	RLD	EPA 8260C
d8-Toluene	102	% Recovery	70.0	130	1			11/29/2021 01:52	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/29/2021 01:52	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#: 1075770 Sample Description: P-116 License/Well #: 00467/143 Sampled: 11/17/2021 11:45

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			11/24/2021 16:02	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:38	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 02:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 02:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 02:21	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#: 1075770 Sample Description: P-116 License/Well #: 00467/143 Sampled: 11/17/2021 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 02:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 02:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 02:21	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 02:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 02:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 02:21	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 02:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 02:21	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#: 1075770 Sample Description: P-116 License/Well #: 00467/143 Sampled: 11/17/2021 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 02:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 02:21	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 02:21	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 02:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 02:21	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/29/2021 02:21	RLD	EPA 8260C
1,2 Dichloroethane-d4	96.0	% Recovery	70.0	130	1			11/29/2021 02:21	RLD	EPA 8260C
Bromofluorobenzene	104	% Recovery	70.0	130	1			11/29/2021 02:21	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/29/2021 02:21	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/29/2021 02:21	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#: 1075771 Sample Description: P-117 License/Well #: 00467/144 Sampled: 11/17/2021 08:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	58	mg/L	4.0	13	5			11/24/2021 17:45	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:39	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 02:49	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 02:49	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 02:49	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#: 1075771 Sample Description: P-117 License/Well #: 00467/144 Sampled: 11/17/2021 08:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 02:49	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 02:49	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 02:49	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 02:49	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 02:49	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.72	ug/L	0.023	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 02:49	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 02:49	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 02:49	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#: 1075771 Sample Description: P-117 License/Well #: 00467/144 Sampled: 11/17/2021 08:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 02:49	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 02:49	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 02:49	RLD	EPA 8260C
Trichloroethene	0.057	ug/L	0.022 *	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 02:49	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 02:49	RLD	EPA 8260C
Vinyl chloride	1.2	ug/L	0.019	0.10	1			11/29/2021 02:49	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			11/29/2021 02:49	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			11/29/2021 02:49	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/29/2021 02:49	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			11/29/2021 02:49	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#: 1075772 Sample Description: P-118 License/Well #: 00467/145 Sampled: 11/17/2021 07:40

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			11/24/2021 18:06	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:41	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 03:18	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 03:18	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 03:18	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#: 1075772 Sample Description: P-118 License/Well #: 00467/145 Sampled: 11/17/2021 07:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 03:18	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 03:18	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 03:18	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 03:18	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 03:18	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 03:18	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 03:18	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 03:18	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#: 1075772 Sample Description: P-118 License/Well #: 00467/145 Sampled: 11/17/2021 07:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 03:18	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 03:18	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 03:18	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 03:18	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 03:18	RLD	EPA 8260C
Vinyl chloride	0.11	ug/L	0.019	0.10	1			11/29/2021 03:18	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			11/29/2021 03:18	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			11/29/2021 03:18	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/29/2021 03:18	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			11/29/2021 03:18	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#: 1075773 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 11/16/2021 15:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	20	mg/L	0.80	2.5	1			11/24/2021 18:27	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:44	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 03:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 03:46	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 03:46	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#: 1075773 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 11/16/2021 15:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 03:46	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 03:46	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 03:46	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 03:46	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 03:46	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 03:46	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 03:46	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 03:46	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#: 1075773 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 11/16/2021 15:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 03:46	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 03:46	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 03:46	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 03:46	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 03:46	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/29/2021 03:46	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	70.0	130	1			11/29/2021 03:46	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			11/29/2021 03:46	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/29/2021 03:46	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/29/2021 03:46	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#: 1075774 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 11/16/2021 14:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	52	mg/L	4.0	13	5			11/24/2021 18:47	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:45	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 04:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 04:15	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 04:15	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#: 1075774 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 11/16/2021 14:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 04:15	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 04:15	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 04:15	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 04:15	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 04:15	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.037	ug/L	0.023	0.10	1	*		11/29/2021 04:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 04:15	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 04:15	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 04:15	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 04:15	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#: 1075774 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 11/16/2021 14:40

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			11/29/2021 04:15	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			11/29/2021 04:15	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			11/29/2021 04:15	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1	Q		11/29/2021 04:15	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022		0.10	1			11/29/2021 04:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			11/29/2021 04:15	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1			11/29/2021 04:15	RLD	EPA 8260C
Vinyl chloride	0.066	ug/L	0.019	*	0.10	1			11/29/2021 04:15	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0		130	1			11/29/2021 04:15	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0		130	1			11/29/2021 04:15	RLD	EPA 8260C
d8-Toluene	102	% Recovery	70.0		130	1			11/29/2021 04:15	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0		130	1			11/29/2021 04:15	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#: 1075775 Sample Description: DUP-1 License #:00467 Sampled: 11/17/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	63	mg/L	0.80	2.5	1			11/24/2021 19:08	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			11/22/2021 11:47	ATJ	EPA 353.2
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/29/2021 04:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/29/2021 04:43	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/29/2021 04:43	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#: 1075775 Sample Description: DUP-1 License #:00467 Sampled: 11/17/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/29/2021 04:43	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/29/2021 04:43	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			11/29/2021 04:43	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/29/2021 04:43	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/29/2021 04:43	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.0	ug/L	0.023	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/29/2021 04:43	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/29/2021 04:43	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/29/2021 04:43	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#: 1075775 Sample Description: DUP-1 License #:00467 Sampled: 11/17/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			11/29/2021 04:43	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/29/2021 04:43	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1	Q		11/29/2021 04:43	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/29/2021 04:43	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/29/2021 04:43	RLD	EPA 8260C
Vinyl chloride	8.4	ug/L	0.019	0.10	1			11/29/2021 04:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			11/29/2021 04:43	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			11/29/2021 04:43	RLD	EPA 8260C
d8-Toluene	103	% Recovery	70.0	130	1			11/29/2021 04:43	RLD	EPA 8260C
Dibromofluoromethane	104	% Recovery	70.0	130	1			11/29/2021 04:43	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#: 1075776 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 11/17/2021

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			11/28/2021 22:34	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			11/28/2021 22:34	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			11/28/2021 22:34	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			11/28/2021 22:34	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1	Y		11/28/2021 22:34	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			11/28/2021 22:34	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#: 1075776 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 11/17/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	1.3	ug/L	0.84 *	4.0	1	B		11/28/2021 22:34	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			11/28/2021 22:34	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			11/28/2021 22:34	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			11/28/2021 22:34	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			11/28/2021 22:34	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Methylene chloride	0.30	ug/L	0.090 *	0.40	1	B		11/28/2021 22:34	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	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#: 1075776 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 11/17/2021

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			11/28/2021 22:34	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			11/28/2021 22:34	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			11/28/2021 22:34	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			11/28/2021 22:34	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			11/28/2021 22:34	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			11/28/2021 22:34	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			11/28/2021 22:34	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			11/28/2021 22:34	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			11/28/2021 22:34	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

12/06/2021

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

Well Description:	***MW-3B***	**Well #:**	***134***		**Sample Date**	**11/16/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	0.066	0.02	0.20	0.019	ug/L

Well Description:	***P-103D***	**Well #:**	***141***		**Sample Date**	**11/16/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	0.26	0.02	0.20	0.019	ug/L

Well Description:	***P-107D***	**Well #:**	***119***		**Sample Date**	**11/16/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	5.0	0.02	0.20	0.019	ug/L

Well Description:	***P-111D***	**Well #:**	***130***		**Sample Date**	**11/16/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	3.6	0.02	0.20	0.019	ug/L

Well Description:	***P-114***	**Well #:**	***140***		**Sample Date**	**11/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	8.2	0.02	0.20	0.019	ug/L

Well Description:	***P-115***	**Well #:**	***142***		**Sample Date**	**11/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	0.48	0.02	0.20	0.019	ug/L

Well Description:	***P-117***	**Well #:**	***144***		**Sample Date**	**11/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	1.2	0.02	0.20	0.019	ug/L

Well Description:	***P-118***	**Well #:**	***145***		**Sample Date**	**11/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	0.11	0.02	0.20	0.019	ug/L

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

Parameter	Sample Date								
	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/28/2020	2/25/2020	10/21/2019
1,1-Dichloroethane							0.017		
Carbon disulfide						0.018	0.022	0.015	0.022
Chloroethane		0.55			0.63	0.54	1.4		0.26
Chloromethane							0.047	0.083	
cis-1,2-Dichloroethene	2.0	1.9	1.8	1.8	2.0	2.1	3.2		1.6
Dichlorodifluoromethane		0.20				0.067	0.073		0.16
Tetrahydrofuran				0.75	0.70		0.51		
trans-1,2-Dichloroethene					0.042		0.044		
Vinyl chloride	8.4	10	7.7	7.4	7.8	8.0	3.5		8.3

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								
	11/16/2021	9/8/2021	6/17/2021	3/25/2021	10/29/2020	7/14/2020	4/28/2020	2/25/2020	10/21/2019
1,1-Dichloroethane	0.020			0.023	0.025				0.029
1,2,4-Trimethylbenzene	0.018	0.018	0.014	0.019			0.021		
Carbon disulfide						0.024	0.044	0.044	0.036
Chloroethane	1.4	0.69	1.3	1.9	2.9	2.6		0.45	2.0
Chloromethane								0.053	
cis-1,2-Dichloroethene	1.8	0.62	1.5	2.0	2.3	1.7	0.81	0.66	2.1
Dichlorodifluoromethane						0.067			0.17
Tetrahydrofuran				0.84	0.84				
Toluene				0.014	0.024				
Trichloroethene	0.10	0.047	0.059	0.15	0.13	0.098	0.037	0.043	0.12
Vinyl chloride	5.0	2.1	5.4	4.3	5.7	5.8	2.8	2.1	7.6

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								
	11/16/2021	9/8/2021	6/17/2021	3/25/2021	10/29/2020	7/13/2020	4/28/2020	2/25/2020	10/21/2019
Carbon disulfide						0.021	0.026	0.018	0.043
Chloroethane	0.84	0.86	0.76	0.93	1.1	1.6	1.5	0.89	0.86
Chloromethane							0.047	0.11	
cis-1,2-Dichloroethene	3.4	3.3	3.3	3.0	3.4	3.1	3.3	2.8	2.9
Dichlorodifluoromethane						0.058	0.052		0.16
Methyl tert-butyl ether				0.024					
Tetrahydrofuran				0.57					
Toluene					0.015				
trans-1,2-Dichloroethene	0.038	0.043		0.050	0.049		0.042	0.035	0.042
Vinyl chloride	3.6	4.2	3.2	3.2	3.9	3.7	3.6	3.0	4.6

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

Parameter	Sample Date				
	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Carbon disulfide		0.025	0.024		0.025
Chloromethane		0.046	0.047	0.084	0.030
Toluene	0.052				

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

Parameter	Sample Date							
	11/16/2021	9/8/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Carbon disulfide					0.043	0.022		0.027
Chloroform				0.018				
Chloromethane					0.037		0.073	
cis-1,2-Dichloroethene	0.037		0.032	0.029				
Vinyl chloride	0.066	0.061	0.042	0.049			0.035	0.051

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	10/21/2019
Acetone			0.93		
Carbon disulfide		0.019	0.019		0.025
Chloromethane	0.054	0.033	0.046	0.048	0.030

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

Parameter	Sample Date								
	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Acetone							0.84		
Carbon disulfide						0.019	0.024		0.021
Chloroethane				0.47	0.43	0.34	0.52	0.27	0.24
Chloromethane						0.044	0.042	0.039	
cis-1,2-Dichloroethene	1.9	1.8	1.9	1.8	2.0	2.0	2.1	1.8	1.6
Dichlorodifluoromethane		0.18				0.040	0.047		0.15
Tetrahydrofuran				0.65	0.64		0.63		
Toluene					0.029				
trans-1,2-Dichloroethene				0.028	0.038		0.036		
Vinyl chloride	8.2	11	8.0	7.4	8.1	7.7	7.7	7.4	8.0

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

Parameter	Sample Date								
	11/16/2021	9/8/2021	6/18/2021	3/25/2021	10/28/2020	7/14/2020	4/27/2020	2/26/2020	10/21/2019
Benzene	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	0.31	0.27	0.31	0.30	0.33	0.32	0.26	0.25	0.25
Toluene					0.021				
Trichloroethene	0.067	0.063	0.075	0.076	0.073	0.070	0.054	0.062	0.050
Vinyl chloride	0.26	0.33	0.24	0.23	0.26	0.30	0.25	0.22	0.27

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

Parameter	Sample Date								
	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Acetone							0.93		
Carbon disulfide						0.032	0.052	0.047	0.025
Chloromethane						0.041	0.042	0.040	
cis-1,2-Dichloroethene	0.21	0.19	0.21	0.20	0.20	0.19	0.19	0.17	0.15
Vinyl chloride	0.48	0.63	0.53	0.52	0.67	0.85	0.83	0.72	0.96

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

Parameter	Sample Date			
	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Carbon disulfide	0.018	0.039	0.028	0.049
Chloromethane		0.050	0.062	

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

Parameter	Sample Date								
	11/17/2021	9/8/2021	6/18/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Benzene			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	0.38
Chloromethane						0.040		0.084	
cis-1,2-Dichloroethene	0.72	0.75	0.75	0.75	0.79	0.78	0.77	0.69	0.78
Dichlorodifluoromethane						0.041			0.12
Naphthalene							0.025	0.034	
Toluene					0.020				
Trichloroethene	0.057	0.048		0.054	0.065	0.063	0.046	0.047	0.061
Vinyl chloride	1.2	1.5	1.1	1.0	1.2	1.4	1.2	1.1	1.5

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

Parameter	Sample Date								
	11/17/2021	9/8/2021	6/18/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019
Carbon disulfide			0.12				0.023	0.028	0.054
Chloromethane						0.052	0.053	0.084	
Naphthalene									0.026
Toluene				0.020	0.032	0.023	0.033	0.020	0.038
Vinyl chloride	0.11	0.13	0.087	0.086	0.088		0.047	0.024	0.079

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								
	11/17/2021	9/9/2021	6/18/2021	3/25/2021	10/29/2020	6/9/2020	4/28/2020	1/20/2020	10/21/2019
1,4-Dioxane						13			
Acetone	1.3		2.0				1.3		3.3
Carbon disulfide						0.021			0.021
Chloroform		0.024							
Chloromethane					0.051	0.037		0.49	0.046
Methylene chloride	0.30		0.25	0.34	0.46	1.2	0.92	0.40	0.20
Toluene					0.064				

QC Summary Report

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

SDG #: 0 **Folder #: 165961** **Project #: 421748**

Lab Control Spike Water

Analytical Run #:	197694	Analysis Date:	11/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1077058	Analysis Time:	11:22	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	5.220	mg/L			5.0	104	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	5.220	mg/L			5.0	104	90 --- 110		

Method Blank Water

Analytical Run #:	197694	Analysis Date:	11/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1077059	Analysis Time:	11:23	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	0.12	mg/L		U	0		0.12		

Matrix Spike Duplicate Water

Analytical Run #:	197694	Analysis Date:	11/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1078046	Analysis Time:	11:30	Prep Date/Time:		Method:	
Parent Sample #:	1078043	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	4.13	mg/L	BDL		2.0	206	90 --- 110	4	20

Matrix Spike Water

Analytical Run #:	197694	Analysis Date:	11/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1078043	Analysis Time:	11:26	Prep Date/Time:		Method:	
Parent Sample #:	1075762	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	3.95	mg/L	BDL		2.0	198	90 --- 110		20

Duplicate

Analytical Run #:	197763	Analysis Date:	11/24/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1078696	Analysis Time:	16:22	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1075770	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Sulfate	13.3	mg/L	13					2	10

Lab Control Spike ***Water***

Analytical Run #:	197763	Analysis Date:	11/24/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1078694	Analysis Time:	12:55	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	24.60	mg/L			25.00	98	80	---	120		

Method Blank Water

Analytical Run #:	197763	Analysis Date:	11/24/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1078695	Analysis Time:	13:16	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 Water

Analytical Run #:	197763	Analysis Date:	11/24/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1078697	Analysis Time:	16:43	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1075770	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
Total Sulfate	20.4	mg/L	13		8.00	92	49	---	120		20

Lab Control Spike Duplicate Water

Analytical Run #:	197645	Analysis Date:	11/29/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1079807	Analysis Time:	06:35	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1079806	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	3.89	ug/L	3.81		4.0	97	78	---	121	2	20
1,1,1-Trichloroethane	4.25	ug/L	4.41		4.0	106	82	---	122	4	20
1,1,2,2-Tetrachloroethane	3.83	ug/L	3.48		4.0	96	68	---	128	10	20
1,1,2-Trichloroethane	4.12	ug/L	3.44		4.0	103	84	---	114	18	20
1,1-Dichloroethane	4.18	ug/L	4.27		4.0	104	76	---	122	2	20
1,1-Dichloroethene	4.28	ug/L	4.49		4.0	107	83	---	123	5	20
1,1-Dichloropropene	4.13	ug/L	4.45		4.0	103	85	---	120	7	20
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	87	---	107	0	
1,2,3-Trichlorobenzene	4.08	ug/L	3.46		4.0	102	78	---	121	16	20
1,2,3-Trichloropropane	3.34	ug/L	4.01		4.0	84	62	---	129	18	20
1,2,4-Trichlorobenzene	3.90	ug/L	3.56		4.0	98	80	---	120	9	20
1,2,4-Trimethylbenzene	4.06	ug/L	4.31		4.0	102	76	---	125	6	20
1,2-Dibromo-3-chloropropane	3.63	ug/L	3.25		4.0	91	69	---	125	11	20
1,2-Dibromoethane	4.01	ug/L	3.49		4.0	100	80	---	118	14	20
1,2-Dichlorobenzene	3.95	ug/L	3.77		4.0	99	80	---	117	5	20
1,2-Dichloroethane	4.30	ug/L	3.82		4.0	108	78	---	118	12	20
1,2-Dichloropropane	4.15	ug/L	3.87		4.0	104	78	---	121	7	20
1,3,5-Trimethylbenzene	4.00	ug/L	4.43		4.0	100	76	---	126	10	20
1,3-Dichlorobenzene	3.94	ug/L	3.98		4.0	98	78	---	119	1	20
1,3-Dichloropropane	4.14	ug/L	3.51		4.0	104	82	---	117	16	20
1,4-Dichlorobenzene	3.94	ug/L	3.97		4.0	98	77	---	118	1	20
2,2-Dichloropropane	3.56	ug/L	4.18		4.0	89	71	---	133	16	20
2-Butanone	40.4	ug/L	34.5		40.0	101	80	---	120	16	20
2-Chlorotoluene	3.97	ug/L	4.28		4.0	99	73	---	124	8	20
2-Hexanone	41.3	ug/L	33.5		40.0	103	73	---	127	21	20
4-Chlorotoluene	4.03	ug/L	4.25		4.0	101	74	---	125	5	20
4-Methyl-2-pentanone	41.9	ug/L	34.9		40.0	105	77	---	125	18	20
Acetone	41.8	ug/L	37.6		40.0	104	72	---	117	11	20
Benzene	4.08	ug/L	4.17		4.0	102	82	---	118	2	20
Bromobenzene	4.02	ug/L	4.04		4.0	100	77	---	118	0	20
Bromochloromethane	4.16	ug/L	3.78		4.0	104	81	---	116	10	20
Bromodichloromethane	4.08	ug/L	3.71		4.0	102	80	---	122	9	20
Bromofluorobenzene	101	% Recovery			100	101	90	---	108	0	
Bromoform	3.45	ug/L	3.44		4.0	86	72	---	124	0	20
Bromomethane	3.89	ug/L	4.02		4.0	97	25	---	156	3	20
Carbon disulfide	8.26	ug/L	8.77		8.0	103	81	---	124	6	20
Carbon tetrachloride	4.24	ug/L	4.34		4.0	106	87	---	129	2	20
Chlorobenzene	4.08	ug/L	4.06		4.0	102	78	---	118	0	20
Chloroethane	4.18	ug/L	4.35		4.0	104	73	---	126	4	20
Chloroform	4.11	ug/L	3.98		4.0	103	76	---	119	3	20
Chloromethane	4.17	ug/L	4.34		4.0	104	70	---	121	4	20
cis-1,2-Dichloroethene	4.16	ug/L	4.06		4.0	104	82	---	118	2	20

Lab Control Spike Duplicate *Water*

Analytical Run #:	197645	Analysis Date:	11/29/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1079807	Analysis Time:	06:35	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1079806	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	3.88	ug/L	3.57		4.0	97	81	---	123	8	20
d8-Toluene	102	% Recovery			100	102	93	---	108	0	
Dibromochloromethane	3.84	ug/L	3.38		4.0	96	76	---	124	13	20
Dibromofluoromethane	102	% Recovery			100	102	93	---	106	0	
Dibromomethane	4.21	ug/L	3.73		4.0	105	83	---	115	12	20
Dichlorodifluoromethane	4.36	ug/L	4.52		4.0	109	78	---	126	4	20
Diisopropyl ether	4.12	ug/L	3.54		4.0	103	75	---	125	15	20
Ethylbenzene	4.07	ug/L	4.30		4.0	102	78	---	125	5	20
Hexachlorobutadiene	3.74	ug/L	3.83		4.0	94	79	---	123	2	20
Isopropylbenzene	4.06	ug/L	4.28		4.0	102	81	---	124	5	20
m & p-Xylene	8.02	ug/L	8.46		8.0	100	80	---	123	5	20
Methyl tert-butyl ether	4.06	ug/L	3.31		4.0	102	82	---	116	20	20
Methylene chloride	3.90	ug/L	3.69		4.0	98	73	---	128	6	20
n-Butylbenzene	3.96	ug/L	4.22		4.0	99	76	---	127	6	20
n-Propylbenzene	4.06	ug/L	4.57		4.0	102	75	---	129	12	20
Naphthalene	3.90	ug/L	3.36		4.0	98	64	---	129	15	20
o-Xylene	4.07	ug/L	4.19		4.0	102	81	---	121	3	20
p-Isopropyltoluene	4.08	ug/L	4.43		4.0	102	79	---	126	8	20
sec-Butylbenzene	4.10	ug/L	4.50		4.0	102	76	---	128	9	20
Styrene	4.05	ug/L	3.92		4.0	101	81	---	122	3	20
tert-Butylbenzene	4.05	ug/L	4.45		4.0	101	76	---	125	9	20
Tetrachloroethene	4.17	ug/L	4.25		4.0	104	82	---	123	2	20
Tetrahydrofuran	38.8	ug/L	38.7		40.0	97	69	---	122	0	20
Toluene	4.05	ug/L	4.10		4.0	101	82	---	119	1	20
trans-1,2-Dichloroethene	4.12	ug/L	4.34		4.0	103	80	---	122	5	20
trans-1,3-Dichloropropene	3.75	ug/L	3.26		4.0	94	83	---	119	14	20
Trichloroethene	4.18	ug/L	4.32		4.0	104	82	---	120	3	20
Trichlorofluoromethane	4.43	ug/L	4.64		4.0	111	78	---	130	5	20
Vinyl acetate	38.4	ug/L	36.8		40.0	96	63	---	136	4	20
Vinyl chloride	4.29	ug/L	4.50		4.0	107	73	---	127	5	20

Lab Control Spike Water

Analytical Run #:	197645	Analysis Date:	11/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1079806	Analysis Time:	19:17	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	3.81	ug/L			4.0	95	78	---	121		20
1,1,1-Trichloroethane	4.41	ug/L			4.0	110	82	---	122		20
1,1,2,2-Tetrachloroethane	3.48	ug/L			4.0	87	68	---	128		20
1,1,2-Trichloroethane	3.44	ug/L			4.0	86	84	---	114		20
1,1-Dichloroethane	4.27	ug/L			4.0	107	76	---	122		20
1,1-Dichloroethene	4.49	ug/L			4.0	112	83	---	123		20
1,1-Dichloropropene	4.45	ug/L			4.0	111	85	---	120		20
1,2 Dichloroethane-d4	92.0	% Recovery			100	92.0	87	---	107		
1,2,3-Trichlorobenzene	3.46	ug/L			4.0	86	78	---	121		20
1,2,3-Trichloropropane	4.01	ug/L			4.0	100	62	---	129		20
1,2,4-Trichlorobenzene	3.56	ug/L			4.0	89	80	---	120		20
1,2,4-Trimethylbenzene	4.31	ug/L			4.0	108	76	---	125		20
1,2-Dibromo-3-chloropropane	3.25	ug/L			4.0	81	69	---	125		20
1,2-Dibromoethane	3.49	ug/L			4.0	87	80	---	118		20
1,2-Dichlorobenzene	3.77	ug/L			4.0	94	80	---	117		20
1,2-Dichloroethane	3.82	ug/L			4.0	96	78	---	118		20
1,2-Dichloropropane	3.87	ug/L			4.0	97	78	---	121		20
1,3,5-Trimethylbenzene	4.43	ug/L			4.0	111	76	---	126		20
1,3-Dichlorobenzene	3.98	ug/L			4.0	100	78	---	119		20
1,3-Dichloropropane	3.51	ug/L			4.0	88	82	---	117		20
1,4-Dichlorobenzene	3.97	ug/L			4.0	99	77	---	118		20
2,2-Dichloropropane	4.18	ug/L			4.0	104	71	---	133		20
2-Butanone	34.5	ug/L			40.0	86	80	---	120		20
2-Chlorotoluene	4.28	ug/L			4.0	107	73	---	124		20
2-Hexanone	33.5	ug/L			40.0	84	73	---	127		20
4-Chlorotoluene	4.25	ug/L			4.0	106	74	---	125		20
4-Methyl-2-pentanone	34.9	ug/L			40.0	87	77	---	125		20
Acetone	37.6	ug/L			40.0	94	72	---	117		20
Benzene	4.17	ug/L			4.0	104	82	---	118		20
Bromobenzene	4.04	ug/L			4.0	101	77	---	118		20
Bromochloromethane	3.78	ug/L			4.0	94	81	---	116		20
Bromodichloromethane	3.71	ug/L			4.0	93	80	---	122		20
Bromofluorobenzene	103	% Recovery			100	103	90	---	108		
Bromoform	3.44	ug/L			4.0	86	72	---	124		20
Bromomethane	4.02	ug/L			4.0	100	25	---	156		20
Carbon disulfide	8.77	ug/L			8.0	110	81	---	124		20
Carbon tetrachloride	4.34	ug/L			4.0	108	87	---	129		20
Chlorobenzene	4.06	ug/L			4.0	102	78	---	118		20
Chloroethane	4.35	ug/L			4.0	109	73	---	126		20
Chloroform	3.98	ug/L			4.0	100	76	---	119		20
Chloromethane	4.34	ug/L			4.0	108	70	---	121		20
cis-1,2-Dichloroethene	4.06	ug/L			4.0	102	82	---	118		20

Lab Control Spike Water

Analytical Run #:	197645	Analysis Date:	11/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1079806	Analysis Time:	19:17	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	3.57	ug/L			4.0	89	81	---	123		20
d8-Toluene	101	% Recovery			100	101	93	---	108		
Dibromochloromethane	3.38	ug/L			4.0	84	76	---	124		20
Dibromofluoromethane	99.0	% Recovery			100	99.0	93	---	106		
Dibromomethane	3.73	ug/L			4.0	93	83	---	115		20
Dichlorodifluoromethane	4.52	ug/L			4.0	113	78	---	126		20
Diisopropyl ether	3.54	ug/L			4.0	88	75	---	125		20
Ethylbenzene	4.30	ug/L			4.0	108	78	---	125		20
Hexachlorobutadiene	3.83	ug/L			4.0	96	79	---	123		20
Isopropylbenzene	4.28	ug/L			4.0	107	81	---	124		20
m & p-Xylene	8.46	ug/L			8.0	106	80	---	123		20
Methyl tert-butyl ether	3.31	ug/L			4.0	83	82	---	116		20
Methylene chloride	3.69	ug/L			4.0	92	73	---	128		20
n-Butylbenzene	4.22	ug/L			4.0	106	76	---	127		20
n-Propylbenzene	4.57	ug/L			4.0	114	75	---	129		20
Naphthalene	3.36	ug/L			4.0	84	64	---	129		20
o-Xylene	4.19	ug/L			4.0	105	81	---	121		20
p-Isopropyltoluene	4.43	ug/L			4.0	111	79	---	126		20
sec-Butylbenzene	4.50	ug/L			4.0	112	76	---	128		20
Styrene	3.92	ug/L			4.0	98	81	---	122		20
tert-Butylbenzene	4.45	ug/L			4.0	111	76	---	125		20
Tetrachloroethene	4.25	ug/L			4.0	106	82	---	123		20
Tetrahydrofuran	38.7	ug/L			40.0	97	69	---	122		20
Toluene	4.10	ug/L			4.0	102	82	---	119		20
trans-1,2-Dichloroethene	4.34	ug/L			4.0	108	80	---	122		20
trans-1,3-Dichloropropene	3.26	ug/L			4.0	82	83	---	119		20
Trichloroethene	4.32	ug/L			4.0	108	82	---	120		20
Trichlorofluoromethane	4.64	ug/L			4.0	116	78	---	130		20
Vinyl acetate	36.8	ug/L			40.0	92	63	---	136		20
Vinyl chloride	4.50	ug/L			4.0	112	73	---	127		20

Method Blank Water

Analytical Run #:	197645	Analysis Date:	11/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1079808	Analysis Time:	20:13	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	106	% Recovery			100	106	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	0.158	ug/L			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	2.10	ug/L			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	101	% Recovery			100	101	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 #:	197645	Analysis Date:	11/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1079808	Analysis Time:	20:13	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	101	% Recovery			100	101	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	101	% Recovery			100	101	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	0.109	ug/L			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		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	165961	Print Date / Time:	11/18/2021	11:26	
Client:	TRC ENVIRONMENTAL	Received Date / Time / By:	11/18/2021	11:20	erc
Project Name:	RIPON FF/NN LANDFILL	Log-In Date / Time / By:	11/18/2021	11:26	erc
Project Phase:	RIPON, WI	Project #:	421748	PM:	BMS
Coolers:	6661	Temperature:	2.1 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:	7752 1637 1882		
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**		

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

ONE CUSTODY SEAL WAS PRESENT AND INTACT UPON RECEIPT (DATED 11-17-21 AND SIGNED).

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1075762	P-103D				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1075762	P-103D				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1075762	P-103D				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1075764	P-107D				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1075764	P-107D				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1075764	P-107D				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC

		Total # of Containers of Type	**(*VOA HCL*) = 3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1075765	P-111D					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1075765	P-111D					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**			
1075765	P-111D					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	**(*VOA HCL*) = 3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1075766	P-113A					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1075766	P-113A					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**			
1075766	P-113A					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	**(*VOA HCL*) = 3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1075767	P-113B					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			
1075767	P-113B					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**			
1075767	P-113B					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	**(*VOA HCL*) = 3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1075768	P-114					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1075768	P-114				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1075768	P-114				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type (*VOA HCL*) = 3			
1075769	P-115				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1075769	P-115				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1075769	P-115				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type (*VOA HCL*) = 3			
1075770	P-116				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1075770	P-116				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1075770	P-116				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type (*VOA HCL*) = 3			
1075771	P-117				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1075771	P-117				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1075771	P-117				

		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1075772	P-118				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1075772	P-118				
		H2SO4 PL	1 Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1075772	P-118				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1075773	MW-3A				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1075773	MW-3A				
		H2SO4 PL	1 Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1075773	MW-3A				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1075774	MW-3B				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1075774	MW-3B				
		H2SO4 PL	1 Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1075774	MW-3B				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		

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

1075775	DUP-1						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1075775	DUP-1						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1075775	DUP-1						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**				

Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**			**Tests**
1075776	TRIP BLANK						
		Trip Blank	1		/		VOC
		Trip Blank	1		/		VOC
		Trip Blank	1		/		VOC
		TRIP BLANK	1	N	/	N	VOC
		Total # of Containers of Type	(***TRIP BLANK***) = **4**				

Condition Code *Condition Description*

1 Sample Received OK

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Page 1 of 7

Company: TRC
Project Contact: Andy Stehn
Telephone: 608-867-8112
Project Name: FF/NN Ripon Landfill
Project #: 421748
Location: Ripon, WI
Sampled By: Aaron Sobbe

Folder #: 165961
Company: TRC ENVIRONMENTAL
Project: RIPON SUPERFUND LF
Logged By: erc PM: BMS

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

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL: astehn@trcompanies.com
Company: TRC
Address: 708 Heartland Trail Suite 3000
Invoice To:* Madison, WI 53717
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

ANALYSES REQUESTED

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs 8260C	Total Sulfate	Nitrate + nitrite, total as nitrogen	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
11-16-21	940	GW	G		P-103D	N	3	1	1			1075762
11-16-21	1205				P-107D	N	3	1	1			64
11-16-21	1255				P-111D	N	3	1	1			65
11-17-21	1040				P-113A	N	3	1	1			66
11-17-21	940				P-113B	N	3	1	1			67
11-17-21	1240				P-114	N	3	1	1			68
11-17-21	1335				P-115	N	3	1	1			69
11-17-21	1145				P-116	N	3	1	1			70
11-17-21	825				P-117	N	3	1	1			71
11-17-21	740				P-118	N	3	1	1			72
11-16-21	1520				MW-3A	N	3	1	1			73
11-16-21	1440				MW-3B	N	3	0	1			74

Fill in Spaces with Bottles per Test

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
[signature]	11-17-21/1700	[signature]	11/18/21 1120
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		[signature]	11/18/21 1136

Lab Use Only
Ice Present (Yes) No
Obs. Temp 7.1 IR Gun 27
Act. Temp ____ Cooler 66F

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Company:
Project Contact:
Telephone:
Project Name:
Project #:
Location:
Sampled By:

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:

165961

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL:
Company:
Address:

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

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%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOCs 8260C	Total Sulfate	Nitrate + nitrite, total	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test					
11-17-21	-	GW	G		Dup-1	N	3	1	1			1075775
11-17-21	-				Trip Blank	-	4					476

Relinquished By:	Date/Time	Received By:	Date/Time
	11-17-21 / 1700		11/18/21 1100
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			11/18/21 1100

Lab Use Only
Ice Present Yes No
Obs. Temp 2C IR Gun 27
Act. Temp _____ Cooler 6661

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 2.1

Actual Temperature 2.1

IR Gun # 27

Initials EAC

Date 11/18/21 Time 1120

Cooler #: 6661