Semiannual Progress Report

Third and Fourth Quarter 2022 Reporting Period

May 2023

FF/NN Landfill NPL Site
Ripon, Wisconsin

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1.0 Introduction

In April 2019, TRC was retained by the FF/NN Landfill Potentially Responsible Party (PRP) Group (Group) to conduct operations and maintenance (O&M) and quarterly monitoring activities at the FF/NN Landfill NPL Site (Site), in Ripon, Wisconsin. This Semi-annual Progress Report presents site activities during the Third and Fourth Quarter (Q3 & Q4) of 2022 (Reporting Period July 1 – December 31, 2022) and is intended to fulfill applicable portions of reporting requirements specified in the Revised Groundwater Monitoring Program (GMP) as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) (WDNR, 2013; 2017).

2.0 Quarterly Changes and Important Dates

This section describes important dates on which tasks were performed, changes in routine tasks, and exceptions to the GMP made in Q3 and Q4 2022. No changes nor exceptions were made in Q3 and Q4 2022 to monitoring, site activities, or to the GMP. Per WDNR approval the reporting frequency for the Site was adjusted from quarterly to semi-annual during this reporting period.

2.1 Dates of Importance

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

- August 22, 2022 – GEMS transmittal, Q1 2022 monitoring data.
- August 23, 2022 – Q1 2022 Quarterly Progress Report Submitted to WDNR.
- September 27 and 28, 2022 – Q3 2022 groundwater monitoring event.
- October 21, 2022 – GEMS transmittal, Q2 2022 monitoring data.
- November 28, 2022 – GEMS transmittal, Q3 2022 monitoring data.
- December 14 and 15, 2022 – Q4 2022 groundwater monitoring event.
- December 19, 2022 – Q2 2022 Quarterly Progress and Supplemental Monitored Natural Attenuation Report Submitted to WDNR.

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 15 monitoring wells/piezometers associated with the Site between September 27 and 28, 2022 and from 12 monitoring wells/piezometers on December 14, 2022. Field forms from the Q3 and Q4 2022 groundwater gauging events are included in Appendix A and elevations are summarized in Tables 1 and 2. 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 Q3 and Q4 are included in Tables 1 and 2.

3.1.1 Layer 3 Groundwater Elevations

Groundwater elevations measured in Layer 3 during the Q4 2022 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.

3.1.2 Layer 4 Groundwater Elevations

The estimated groundwater flow direction in Layer 4 based on data collected in Q3 2022 is to the southeast as shown on Figure 2 and to the west/northwest for data collected in Q4 2022 as shown on Figure 3. The City of Ripon occasionally pumps from Municipal Well #9, which influences the groundwater flow direction in Layer 4. 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. Conversations with Mr. Dave LaViolette, Ripon Water Department - Lead Operator for the City of Ripon, confirmed that Well #9 was periodically operational during the Q3 and Q4 2022 sampling events, which indicates that pumping from Well #9 does not always result in southeast groundwater flow in Layer 4.

3.2 Groundwater Quality Monitoring

This subsection includes an evaluation of the groundwater quality for the Q3 and Q4 2022 reporting period.

Groundwater samples were collected by TRC using low-flow or volume purge sampling methods from 15 monitoring wells/piezometers on September 27 and 28, 2022 and from 12 wells/piezometers on December 14 and 15, 2022. Groundwater samples were analyzed by CT Laboratories for volatile organic compounds (VOCs) (EPA Method 8260C), nitrate + nitrite as nitrogen (EPA 353.2), sulfate (EPA 9056A), and manganese (EPA 6010C). Field parameters were measured at all monitoring wells including dissolved oxygen (DO), oxygen-reduction potential (ORP), temperature, pH, and specific conductance. Field parameters were measured during sampling using an In-Situ Smart Troll MP meter and flow-through cell. Field forms for both monitoring events are included in Appendix A and the laboratory analytical reports are 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 Tables 3 and 4. A summary of results for all detected parameters is provided in Tables 5 and 6.

3.2.1 Third Quarter 2022 Results

In the 15 wells sampled during Q3 2022, vinyl chloride (VC) was the only VOC detected at concentrations above the ES and TCE was detected in one sample at a concentration above the PAL. The following summarizes the distribution of VOCs detected in each hydrostratigraphic unit:

- Two monitoring wells, MW-103 and MW-112, were sampled in Layer 1. Consistent with previous sampling events, the TCE concentration in the sample collected from monitoring well MW-103 exceeded the PAL.
- One well, P-103, was sampled in Layer 2. Historically samples from this well have contained VC above the PAL, but no VOCs were detected in the sample collected during Q3 2022.

- Nine monitoring wells were sampled in Layer 3. Consistent with historical results, VC exceeded the ES in samples collected from wells P-111D, P-114, P-115, and P-117. VC was detected above the PAL in samples collected from monitoring wells MW-003B, P-103D, and P-118, also consistent with historical results.
- 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 5.
- Trip blanks and method blanks were analyzed during the Q3 2022 sampling event and results indicated:
  - Tetrahydrofuran and methylene chloride were the only detected parameters in the trip blank sample and the detections were reported as estimated concentrations between the limit of detection and the limit of quantitation. Methylene chloride is a common laboratory contaminant and was not detected in any of the Q3 2022 groundwater samples. Tetrahydrofuran was detected in one groundwater sample (P-107D) which was flagged during data review as non-detect.

3.2.2 Fourth Quarter 2022 Results

In the 12 wells sampled during Q4 2022, 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 2022.
- Nine monitoring wells were sampled in Layer 3. Consistent with historical results, VC exceeded the ES in samples collected from wells P-103D (Duplicate), P-111D, P-114, P-115, and P-117. VC was detected above the PAL in samples collected from monitoring wells MW-003B, P-103D, and P-118, also consistent with historical results.
- 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 6.
- Trip blanks and method blanks were analyzed during the Q4 2022 sampling event and results indicated:
  - Methylene chloride was detected in the trip blank sample. Methylene chloride is a common laboratory contaminant and was not detected in any of the groundwater samples collected during the Q4 2022 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 Q3 and Q4 2022. Table 7 summarizes the results of landfill gas monitoring during this reporting period.

3.3.1 Landfill Gas Extraction System Troubleshooting and Repairs

There were no shutdowns or repairs of the landfill GES during Q3 2022. During Q4 2022 the GES was shut down for 5 minutes on October 27, 2022 and December 14, 2022 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 2022.

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 July 8 and December 29, 2022 to inspect and monitor the landfill gas extraction system. Gas measurements (% oxygen, methane, and carbon dioxide) and vacuum readings were periodically collected from the five gas extraction points (LC-1, LC-2, LC-3, GV-4, and GV-6) when the system was in operation. In addition, gas measurements were collected from gas probes GP-1 and GP-2, the blower exhaust, and ambient air (background) for comparison purposes. TRC adjusted valve positioning on the extraction well headers and at the installed blower intake valve 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 7.

3.3.2.2 Gas Probe Monitoring

TRC was onsite on September 27, 2022, and December 14, 2022, for the quarterly site visits. 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, and four water table monitoring wells (MW-101 through MW-104) that surround the landfill. As noted above, gas probes GP-1 and GP-2 were also monitored during the biweekly site visits. Methane was not observed in the gas probes or monitoring wells during Q3 2022. During the Q4 2022 sampling event methane was observed in MW-101 at a concentration of 0.3% (by volume) and in MW-104 at a concentration of 3.7% (by volume). Methane was not detected in any of the other gas probes or monitoring wells during the Q4 2022 event. Methane has been sporadically detected at MW-101 and MW-104 in the past. The most recent prior detection of methane at MW-101 was 0.2% (by volume) in November 2021. Similarly, the last detection of methane at MW-104 was 0.8% (by volume) in November 2021. The Q4 2022 methane detections in these wells appear to also be sporadic as methane was not detected during the September 2022 event or the subsequent Q1 2023 sampling completed in March 2023. Based on the results of the long-term gas probe monitoring, 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.

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
Third Quarter 2022

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q3 Depth to Water (Feet)	Q3 GW Elevation (Feet AMSL)
			9/27-28/2022	9/27-28/2022
MW-003A	4	850.60	33.76	816.84
MW-003B	3	850.89	31.64	819.25
MW-103	1	872.30	51.43	820.87
P-103	2	872.74	49.92	822.82
P-103D	3	872.91	51.16	821.75
P-107D	4	871.90	53.74	818.16
P-111D	3	855.56	36.32	819.24
MW-112	1	874.70	54.56	820.14
P-113A	4	833.16	16.62	816.54
P-113B	3	833.16	15.40	817.76
P-114	3	839.36	21.01	818.35
P-115 (WIESE)	3	842.67	24.20	818.47
P-116 (HADEL)	3	845.86	28.05	817.81
P-117	3	833.96	16.70	817.26
P-118	3	826.74	9.60	817.14

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

Created by: P. Popp, 10/26/2022
Checked by: A. Ruetten 11/9/2022

Table 2: Water Levels
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2022

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q4 Depth to Water (Feet)	Q4 GW Elevation (Feet AMSL)
			12/14/2022	12/14/2022
MW-003A	4	850.60	31.31	819.29
MW-003B	3	850.89	32.42	818.47
P-103D	3	872.91	51.39	821.52
P-107D	4	871.90	54.32	817.58
P-111D	3	855.56	36.29	819.27
P-113A	4	833.16	15.24	817.92
P-113B	3	833.16	14.71	818.45
P-114	3	839.36	20.89	818.47
P-115 (WIESE)	3	842.67	24.14	818.53
P-116 (HADEL)	3	845.86	27.96	817.9
P-117	3	833.96	16.79	817.17
P-118	3	826.74	9.63	817.11

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

Created by: P. Popp, 2/1/2023
Checked by: T. Jackson-Strong, 2/10/2023

Table 3: Parameters That Exceed Current NR140 Standards
FF/NN Landfill
Ripon, Wisconsin
Third Quarter 2022

Chemical Parameter	Units	NR140 PAL	NR140 ES	Well ID	Date	Result	Data Flags	Exceedance
Manganese, dissolved	µg/L	25	50	MW-003A	9/27/2022	**407**		ES
				MW-003B	9/27/2022	**102**		ES
				MW-112	9/27/2022	**296**		ES
				P-103	9/27/2022	**73**		ES
				P-103D	9/27/2022	**80.5**		ES
				P-107D	9/27/2022	**185**		ES
				P-111D	9/27/2022	*28.8*		PAL
				P-113B	9/28/2022	*33.4*		PAL
				P-114	9/28/2022	**61**		ES
				P-115 (WIESE)	9/28/2022	**106**		ES
				P-115 (WIESE) D	9/28/2022	**106**		ES
				P-116 (HADEL)	9/28/2022	**74.8**		ES
				P-117	9/27/2022	**192**		ES
				P-117 DUP	9/27/2022	**192**		ES
				P-118	9/27/2022	**54.3**		ES
Nitrogen, nitrate + nitrite, total	mg/L	2	10	MW-103	9/27/2022	**13**		ES
Trichloroethene	µg/L	0.5	5	MW-103	9/27/2022	*0.68*		PAL
Vinyl chloride	µg/L	0.02	0.2	MW-003B	9/27/2022	*0.055*	*J*	PAL
				P-103D	9/27/2022	*0.15*		PAL
				P-107D	9/27/2022	**4.6**		ES
				P-111D	9/27/2022	**2.7**		ES
				P-114	9/28/2022	**5.5**		ES
				P-115 (WIESE)	9/28/2022	**0.29**		ES
				P-115 (WIESE) D	9/28/2022	**0.29**		ES
				P-117	9/27/2022	**0.79**		ES
				P-117 DUP	9/27/2022	**0.78**		ES
				P-118	9/27/2022	*0.11*		PAL

Notes:

Created by: P. Popp, 10/26/2022

Checked by: A. Ruetten 11/8/2022

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

Table 4: Parameters That Exceed Current NR140 Standards
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2022

Chemical Parameter	Units	NR140 PAL	NR140 ES	Well ID	Date	Result	Data Flags	Exceedance
Manganese, dissolved	µg/L	25	50	MW-003A	12/14/2022	**415**		ES
				MW-003B	12/14/2022	**87.7**		ES
				P-103D	12/15/2022	**78.4**		ES
				P-103D DUP	12/15/2022	**77.2**		ES
				P-107D	12/14/2022	**171**		ES
				P-111D	12/14/2022	*27.3*		PAL
				P-113B	12/15/2022	*31.8*		PAL
				P-114	12/15/2022	**56.1**		ES
				P-115 (WIESE)	12/15/2022	**101**		ES
				P-116 (HADEL)	12/15/2022	**73.9**		ES
				P-117	12/14/2022	**184**		ES
				P-118	12/14/2022	**52.6**		ES
Vinyl chloride	µg/L	0.02	0.2	MW-003B	12/14/2022	*0.06*	J	PAL
				P-103D	12/15/2022	*0.19*		PAL
				P-103D DUP	12/15/2022	**0.21**		ES
				P-107D	12/14/2022	**4.7**		ES
				P-111D	12/14/2022	**3.1**		ES
				P-114	12/15/2022	**7**		ES
				P-115 (WIESE)	12/15/2022	**0.36**		ES
				P-117	12/14/2022	**1.1**		ES
				P-118	12/14/2022	*0.12*		PAL

Notes:

Created by: P. Popp, 2/1/2023

Checked by: T. Jackson-Strong, 2/10/202

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

Table 5: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
Third Quarter 2022

Parameter	Units	NR 140 ES	NR 140 PAL	MW-003A 9/27/2022 1241873	MW-003B 9/27/2022 1241874	MW-103 9/27/2022 1241871	MW-112 9/27/2022 1241870	P-103 9/27/2022 1241868	P-103D 9/27/2022 1241869	P-107D 9/27/2022 1241867	P-111D 9/27/2022 1241872	P-113A 9/28/2022 1241882
Field Parameters												
Depth to water	Feet			33.76	31.64	51.43	54.56	49.92	51.16	53.74	36.32	16.62
Water elevation	Feet			816.84	819.25	820.87	820.14	822.82	821.75	818.16	819.24	816.54
pH, field	SU			7.31	7.41	6.84	5.89	6.71	6.80	7.03	7.23	7.55
Conductance, specific	µmhos/cm			428.1	504.8	963.8	902.0	540.3	615.6	495.8	665.6	428.4
ORP	mV			38.7	-84.6	35.3	116.4	21.3	8.3	101.2	-18.0	36.8
Oxygen, dissolved	mg/L			2.20	2.75	8.97	5.67	4.54	3.57	21.68	2.31	4.52
Turbidity, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Turbidity, field	NTU			0.3	0.4	--	--	6.9	0.4	0.7	0.4	1.4
Temperature	Deg C			9.92	9.89	12.45	12.75	10.73	10.61	10.92	10.40	11.06
Color, field				NONE	SLT GREY	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Odor, field				SLIGHT	YES	NONE	NONE	NONE	NONE	NONE	SLIGHT	NONE
Inorganic Analytes												
Nitrogen, nitrate + nitrite, total	mg/L	10	2	< 0.05	< 0.05	**13**	0.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Sulfate, total	mg/L	250	125	22	53	81	53	51	72	33	61	13
Manganese, dissolved	µg/L	50	25	**407**	**102**	< 1.2	**296**	**73**	**80.5**	**185**	*28.8*	13.2
Organic Analytes												
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	0.024 J	< 0.017	< 0.017
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.026 J	< 0.022	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	1.1 J	0.51 J	< 0.4 J
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	0.04 J	0.075 J	0.042 J	< 0.023	0.23	1.9	3.1	< 0.023
Dichlorodifluoromethane	µg/L	1000	200	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	0.23 J	< 0.091	< 0.091
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Tetrachloroethene	µg/L	5	0.5	< 0.028	< 0.028	0.21	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028
Tetrahydrofuran	µg/L	50	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	2 U	< 0.38	< 0.38
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	*0.68*	0.085 J	< 0.022	0.084 J	0.15	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	*0.055 J*	< 0.019	< 0.019	< 0.019	*0.15*	**4.6**	**2.7**	< 0.019

Notes:

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Metals analyzed using EPA Method 6010.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
9. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
10. **BOLD** = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.
14. J+ = Reported concentration is estimated with a potential high bias.
15. U = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.
16. -- = Data not recorded based on sampling method.
17. Unspecified calibration criteria was not met for chloroethane; associated results are considered estimated and flagged with a "J" qualifier.

Table 5: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
Third Quarter 2022

Parameter	Units	NR 140 ES	NR 140 PAL	P-113B 9/28/2022 1241883	P-114 9/28/2022 1241880	P-115 (WIESE) 9/28/2022 1241878	P-115 (WIESE) D 9/28/2022 1241879	P-116 (HADEL) 9/28/2022 1241881	P-117 9/27/2022 1241875	P-117 DUP 9/27/2022 1241876	P-118 9/27/2022 1241877	TRIP BLANK 9/27/2022 1241884
Field Parameters												
Depth to water	Feet			15.40	21.01	24.20		28.05	16.70		9.60	
Water elevation	Feet			817.76	818.35	818.47		817.81	817.26		817.14	
pH, field	SU			7.46	7.35	7.19		7.62	7.21		7.36	
Conductance, specific	µmhos/cm			526.5	600.8	477.0		414.5	593.9		482.9	
ORP	mV			23.1	19.9	30.6		65.2	-52.5		3.7	
Oxygen, dissolved	mg/L			2.03	1.62	2.13		2.14	3.12		3.39	
Turbidity, field				NONE	NONE	NONE		NONE	NONE		NONE	
Turbidity, field	NTU			1.8	0.4	3.2		2.4	0.5		0.8	
Temperature	Deg C			11.29	10.74	10.39		11.47	10.64		10.98	
Color, field				NONE	NONE	NONE		NONE	NONE		NONE	
Odor, field				NONE	NONE	NONE		NONE	NONE		NONE	
Inorganic Analytes												
Nitrogen, nitrate + nitrite, total	mg/L	10	2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Sulfate, total	mg/L	250	125	77	59	37	36	14	60	57	31	
Manganese, dissolved	µg/L	50	25	*33.4*	**61**	**106**	**106**	**74.8**	**192**	**192**	**54.3**	
Organic Analytes												
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.024 J	0.023 J	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J	< 0.4 J
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	1.7	0.18	0.21	< 0.023	0.66	0.61	< 0.023	< 0.023
Dichlorodifluoromethane	µg/L	1000	200	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.24 J
Tetrachloroethene	µg/L	5	0.5	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028
Tetrahydrofuran	µg/L	50	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	1.4 J
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.066 J	0.071 J	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	**5.5**	**0.29**	**0.29**	< 0.019	**0.79**	**0.78**	*0.11*	< 0.019

Notes:

Created by: P. Popp, 10/26/2022

Checked by: M. Tofte 4/27/2023

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Metals analyzed using EPA Method 6010.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
9. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
10. **BOLD** = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.
14. J+ = Reported concentration is estimated with a potential high bias.
15. U = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.
16. -- = Data not recorded based on sampling method.
17. Unspecified calibration criteria was not met for chloroethane; associated results are considered estimated and flagged with a "J" qualifier.

Table 6: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2022

Parameter	Units	NR 140 ES	NR 140 PAL	MW-003A 12/14/2022 1274303	MW-003B 12/14/2022 1274304	P-103D 12/15/2022 1274305	P-103D DUP 12/15/2022 1274315	P-107D 12/14/2022 1274306	P-111D 12/14/2022 1274307	P-113A 12/15/2022 1274308	P-113B 12/15/2022 1274309
Field Parameters											
Depth to water	Feet			31.31	32.42	51.39		54.32	36.29	15.24	14.71
Water elevation	Feet			819.29	818.47	821.52		817.58	819.27	817.92	818.45
pH, field	SU			7.36	7.44	6.68		7.14	7.10	7.39	7.26
Conductance, specific	µmhos/cm			690.7	560.2	828.2		602.0	857.5	586.7	719.4
ORP	mV			-45.7	-10.5	58.1		95.9	33.3	25.7	-13.5
Oxygen, dissolved	mg/L			0.26	0.13	0.33		3.47	0.20	0.37	0.07
Turbidity, field				NONE	NONE	NONE		NONE	NONE	NONE	NONE
Turbidity, field	NTU			0.6	1.3	1.8		2.1	2.1	2.3	1.2
Temperature	Deg C			8.38	9.09	9.27		8.47	8.28	9.28	9.98
Color, field				NONE	GREY	NONE		NONE	NONE	NONE	NONE
Odor, field				NONE	SULFUR	NONE		NONE	NONE	NONE	NONE
Inorganic Analytes											
Sulfate, total	mg/L	250	125	20	54	64	66	28	55	12	72
Manganese, dissolved	µg/L	50	25	**415**	**87.7**	**78.4**	**77.2**	**171**	*27.3*	7.8	*31.8*
Organic Analytes											
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	< 0.017	0.028 J	< 0.017	< 0.017	< 0.017
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	< 0.011	0.02 J	< 0.011	< 0.011	< 0.011
Benzene	µg/L	5	0.5	< 0.022	< 0.022	0.033 J	0.039 J	< 0.022	< 0.022	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	< 0.4	1.4 J	0.61 J	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	0.043 J	0.25	0.28	1.9	3	< 0.023	< 0.023
Dichlorodifluoromethane	µg/L	1000	200	< 0.091	< 0.091	< 0.091	< 0.091	0.18 J+	0.16 J+	< 0.091	< 0.091
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.054 J	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	0.067 J	0.068 J	0.13	< 0.022	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	*0.06 J*	*0.19*	**0.21**	**4.7**	**3.1**	< 0.019	< 0.019

Notes:

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Metals analyzed using EPA Method 6010.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
9. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
10. **BOLD** = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.
14. J+ = Reported concentration is estimated with a potential high bias.
15. U = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.

Table 6: Detected Parameters in Groundwater
FF/NN Landfill
Ripon, Wisconsin
Fourth Quarter 2022

Parameter	Units	NR 140 ES	NR 140 PAL	P-114 12/15/2022 1274310	P-115 (WIESE) 12/15/2022 1274311	P-116 (HADEL) 12/15/2022 1274312	P-117 12/14/2022 1274313	P-118 12/14/2022 1274314	TRIP BLANK 12/14/2022 1274316
Field Parameters									
Depth to water	Feet			20.89	24.14	27.96	16.79	9.63	
Water elevation	Feet			818.47	818.53	817.9	817.17	817.11	
pH, field	SU			7.44	7.41	7.63	7.16	7.30	
Conductance, specific	µmhos/cm			838.5	664.1	559.8	763.3	618.1	
ORP	mV			-32.8	-25.5	-4.2	-0.7	0.7	
Oxygen, dissolved	mg/L			0.14	0.11	0.34	0.28	0.27	
Turbidity, field				NONE	NONE	NONE	NONE	NONE	
Turbidity, field	NTU			2.9	2.1	19.9	1.0	1.1	
Temperature	Deg C			9.46	9.80	8.75	10.15	10.11	
Color, field				NONE	NONE	NONE	NONE	NONE	
Odor, field				NONE	NONE	NONE	NONE	NONE	
Inorganic Analytes									
Sulfate, total	mg/L	250	125	55	32	13	56	28	
Manganese, dissolved	µg/L	50	25	**56.1**	**101**	**73.9**	**184**	**52.6**	
Organic Analytes									
1,1-Dichloroethane	µg/L	850	85	< 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
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	0.029 J	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	1.6	0.2	< 0.023	0.68	< 0.023	< 0.023
Dichlorodifluoromethane	µg/L	1000	200	0.16 J+	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.41
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	0.06 J	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	**7**	**0.36**	< 0.019	**1.1**	*0.12*	< 0.019

Notes:

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Metals analyzed using EPA Method 6010.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
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12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.
14. J+ = Reported concentration is estimated with a potential high bias.
15. U = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.

Table 7: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Second Quarter 2022

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
Background	13:06	7/8/2022	0.0	0.0	20.9	79.1	
	7:40	7/22/2022	0.0	0.0	20.9	79.1	
	9:55	8/4/2022	0.0	0.0	20.9	79.1	
	10:00	8/18/2022	0.0	0.0	20.9	79.1	
	10:25	8/23/2022	0.0	0.0	20.9	79.1	
	13:02	9/1/2022	0.0	0.0	20.9	79.1	
	13:02	9/15/2022	0.0	0.0	29.9	70.1	
	7:15	9/27/2022	0.0	0.0	20.8	79.2	
	12:08	10/13/2022	0.0	0.0	20.9	79.1	
	10:30	10/27/2022	0.0	0.0	20.9	19.1	
	10:18	11/10/2022	0.0	0.0	20.9	79.1	
	13:14	11/28/2022	0.0	0.0	20.9	79.1	
	11:27	12/14/2022	0.0	0.0	20.8	79.2	
	12:39	12/29/2022	0.0	0.0	20.9	79.1	
LC-1	13:35	7/8/2022	18.0	20.0	4.4	57.6	
	8:02	7/22/2022	23.0	26.4	0.5	50.1	
	10:18	8/4/2022	23.0	26.6	1.1	49.3	
	10:25	8/18/2022	23.5	25.4	2.5	48.6	
	13:23	9/1/2022	25.5	28.8	1.1	44.6	
	13:25	9/15/2022	26.0	29.4	1.2	43.4	
	7:39	9/27/2022	22.6	19.6	6.1	51.7	Valve reposition to 1/2 turn open based on the CH4 and O2 concentrations.
	12:54	10/13/2022	35.0	28.8	3.3	32.9	
	10:50	10/27/2022	36.5	32.6	1.7	29.2	
	10:41	11/10/2022	37.5	21.6	0.8	40.1	
	13:36	11/28/2022	36.0	33.2	0.8	30.0	
	12:06	12/14/2022	37.1	28.2	0.6	34.1	
	13:01	12/29/2022	31.0	29.8	1.2	38	
LC-2	13:45	7/8/2022	45.5	31.8	1.0	21.7	
	8:15	7/22/2022	45.0	32.0	0.0	28.0	
	10:29	8/4/2022	44.0	32.8	0.7	22.5	
	10:37	8/18/2022	44.5	33.0	0.8	21.7	
	13:34	9/1/2022	46.5	34.4	1.1	18.0	
	13:37	9/15/2022	44.5	35.0	1.3	19.2	
	7:30	9/27/2022	43.1	26.5	2.2	28.2	Increased valve position to 1/2 turn based on CH4 and O2 concentrations.
	13:03	10/13/2022	47.5	35.2	1.3	16.0	
	11:01	10/27/2022	45.5	32.4	3.2	18.9	
	10:54	11/10/2022	40.5	29.4	2.8	27.3	
	13:47	11/28/2022	38.0	34.6	1.3	26.1	
	11:44	12/14/2022	48.6	28.6	1.5	21.3	Increased valve position to 3 turn based on CH4 and O2 concentrations.
	13:12	12/29/2022	49.5	34.8	0.0	15.7	
LC-3	13:43	7/8/2022	27.0	27.0	1.7	45.0	
	8:11	7/22/2022	27.0	27.4	1.6	44.0	
	10:26	8/4/2022	26.5	27.0	2.6	43.9	
	10:33	8/18/2022	26.0	26.8	2.7	44.5	
	13:31	9/1/2022	25.0	27.8	3.3	43.9	
	13:32	9/15/2022	26.5	28.4	3.3	41.8	
	7:34	9/27/2022	30.1	23.9	3.1	42.9	
	13:00	10/13/2022	31.5	30.2	2.8	35.5	
	10:57	10/27/2022	36.5	33.2	2.4	27.9	
	10:48	11/10/2022	34.5	32.2	0.6	32.7	
	13:43	11/28/2022	33.0	31.8	2.3	32.9	
	11:53	12/14/2022	33.9	26.4	2.4	37.3	Increased valve position to 1 turn based on CH4 and O2 concentrations.
	13:09	12/29/2022	38.5	33.2	0.4	27.9	

Table 7: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Second Quarter 2022

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
GV-4	13:34	7/8/2022	0.0	0.0	20.9	79.1	
	7:59	7/22/2022	0.0	0.0	20.9	79.1	
	10:14	8/4/2022	0.0	0.0	20.9	79.1	
	10:22	8/18/2022	0.0	0.0	20.9	79.1	
	13:20	9/1/2022	0.0	0.0	20.9	79.1	
	13:22	9/15/2022	0.0	0.0	20.9	79.1	
	7:49	9/27/2022	0.1	0.2	20.5	79.2	
	12:52	10/13/2022	0.0	0.0	20.9	79.1	
	10:48	10/27/2022	0.0	0.0	20.9	79.1	
	10:37	11/10/2022	0.0	0.0	20.9	79.1	
	13:32	11/28/2022	0.0	0.0	20.9	79.1	
	12:20	12/14/2022	0.0	0.0	20.8	79.2	
	12:55	12/29/2022	0.0	0.0	20.9	79.1	
GV-6	13:40	7/8/2022	0.0	10.8	10.0	79.2	
	8:06	7/22/2022	0.0	10.2	10.0	79.8	
	10:21	8/4/2022	0.0	9.0	12.2	78.8	
	10:29	8/18/2022	8.0	15.4	7.2	69.4	
	13:26	9/1/2022	7.0	16.2	7.3	69.5	
	13:29	9/15/2022	11.0	20.6	4.5	63.9	
	7:45	9/27/2022	1.9	9.4	10.8	77.9	
	12:57	10/13/2022	12.0	19.2	5.1	63.7	
	10:53	10/27/2022	0.0	9.8	12.3	77.9	
	10:43	11/10/2022	14.0	20.8	2.5	62.7	
	13:40	11/28/2022	8.0	15.4	5.7	70.9	
	11:48	12/14/2022	22.4	20.0	2.0	55.6	
	13:05	12/29/2022	9.5	14.6	5.1	70.8	
GP-1	13:06	7/8/2022	0.0	11.2	3.3	85.5	
	13:54	7/8/2022	0.0	11.6	3.2	85.2	
	7:40	7/22/2022	0.0	10.0	6.2	83.8	
	8:22	7/22/2022	0.0	10.2	6.1	83.7	
	9:55	8/4/2022	0.0	12.4	5.9	81.7	
	10:33	8/4/2022	0.0	12.6	5.9	81.5	
	10:02	8/18/2022	0.0	13.8	1.8	84.4	
	10:42	8/18/2022	0.0	13.8	1.5	84.7	
	13:03	9/1/2022	0.2	14.4	5.3	80.2	
	13:40	9/1/2022	0.2	14.6	5.5	79.7	
	13:03	9/15/2022	0.2	14.4	5.3	80.2	
	13:45	9/15/2022	0.1	14.0	2.4	83.5	
	8:44	9/27/2022	0.0	12.5	4.4	83.1	
	12:10	10/13/2022	0.0	11.6	9.6	78.8	
	13:07	10/13/2022	0.0	11.8	9.6	78.6	
	10:31	10/27/2022	0.0	9.6	9.1	81.3	
	11:05	10/27/2022	0.0	9.8	8.8	81.4	
	10:19	11/10/2022	0.0	8.2	7.5	84.3	
	10:57	11/10/2022	0.0	8.2	7.5	84.3	
	13:15	11/28/2022	0.0	8.0	8.5	83.5	
	13:51	11/28/2022	0.0	8.0	8.5	83.5	
	11:37	12/14/2022	0.0	6.5	9.0	84.5	
	12:30	12/14/2022	0.0	6.4	9.0	84.6	
	12:40	12/29/2022	0.0	5.8	12.8	81.4	
	13:17	12:29/2022	0.0	5.8	12.9	81.3	

Table 7: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Second Quarter 2022

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
GP-2	13:27	7/8/2022	0.0	0	20.9	79.1	
	7:55	7/22/2022	0.0	0.6	20.7	78.7	
	10:10	8/4/2022	0.0	0	20.9	79.1	
	10:19	8/18/2022	0.0	7.6	11.3	81.1	
	13:16	9/1/2022	0.0	6.4	13.4	80.2	
	13:19	9/1/2022	0.0	5.6	14.6	79.8	
	9:49	9/27/2022	0.0	0.0	20.8	79.2	
	12:49	10/13/2022	0.0	9.0	11	80.0	
	10:43	10/27/2022	0.0	0	20.9	79.1	
	10:33	11/10/2022	0.0	3.8	15.6	80.6	
	13:27	11/28/2022	0.0	8	8.5	83.5	
	13:26	12/14/2022	0.0	1.8	18.3	79.9	
	NM	12/29/2022	NM	NM	NM	NM	Sample port was frozen.
GP-3	9:56	9/27/2022	0.0	0.0	20.8	79.2	
	13:39	12/14/2022	0.0	3.9	15.7	80.4	
GP-4	10:10	9/27/2022	0.0	0.5	20.3	79.2	
	13:36	12/14/2022	0.0	2.5	18	79.5	
GP-5	10:32	8/23/2022	0.0	8.8	12.7	78.5	
	13:43	9/1/2022	0.0	7.4	14.6	78.0	
	-	9/15/2022	0.0	7.0	14.6	78.4	
	9:03	9/27/2022	0.0	7.4	14.0	78.6	
	12:36	12/14/2022	0.0	3.2	18.5	78.3	
GP-6	10:23	9/27/2022	0.0	0.5	20.3	79.2	
	13:55	12/14/2022	0.0	2.9	17.6	79.5	
GP-7	10:19	9/27/2022	0.0	0.0	20.8	79.2	
	13:50	12/14/2022	0.0	4.1	15.6	80.3	
GP-8							
GP-10	9:22	9/27/2022	0.0	0.0	20.8	79.2	
	13:20	12/14/2022	0.0	4.7	12.6	82.7	
GP-11	9:35	9/27/2022	0.0	2.3	19.0	78.7	
	13:00	12/14/2022	0.0	3.3	17.5	79.2	
GP-12	10:26	8/23/2022	0.0	2.2	18.8	79.0	
	13:46	9/1/2022	0.0	2	19.2	78.8	
	-	9/15/2022	0.0	2.2	19.0	78.8	
	9:16	9/27/2022	0.0	3.3	17.7	79.0	
	12:52	12/14/2022	0.0	3.2	17.8	79.0	
Exhaust	13:21	7/8/2022	0.0	2.0	18.8	79.2	
	7:48	7/22/2022	0.0	2.4	18.9	78.7	
	10:01	8/4/2022	0.0	2.2	18.8	79.0	
	10:11	8/18/2022	0.0	2.8	18.7	78.5	
	13:09	9/1/2022	1.0	1.2	20.9	76.9	
	13:12	9/15/2022	2.2	2.4	19.1	76.4	
	7:24	9/27/2022	1.2	1.4	19.5	77.9	
	12:15	10/13/2022	1.7	1.8	20.3	76.2	
	10:36	10/27/2022	1.0	1.2	20.9	76.9	
	10:26	11/10/2022	2.4	2.4	18.9	76.4	
	13:20	11/28/2022	2.5	2.4	18.9	76.2	
	11:35	12/14/2022	3.1	2.6	19.1	75.2	

Table 7: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Second Quarter 2022

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
MW-101	9:41	9/27/2022	0.0	0.2	20.6	79.2	
	13:05	12/14/2022	0.3	2.3	18.3	79.1	
MW-102	9:06	9/27/2022	0.0	3.1	16.7	80.2	
	12:33	12/14/2022	0.0	2.2	18.5	79.3	
MW-103	10:06	9/27/2022	0.0	0.0	20.8	79.2	
	13:33	12/14/2022	0.0	0.4	20.1	79.5	
MW-104	10:45	9/27/2022	0.0	0.0	20.8	79.2	
	11:59	12/14/2022	3.7	15.9	0.1	80.3	

Notes:

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

N = Nitrogen

% = Percent

NM= Not Measured

Updated By: J. Roelke 2/1/2023

Checked by: C. Frauen 2/16/2023

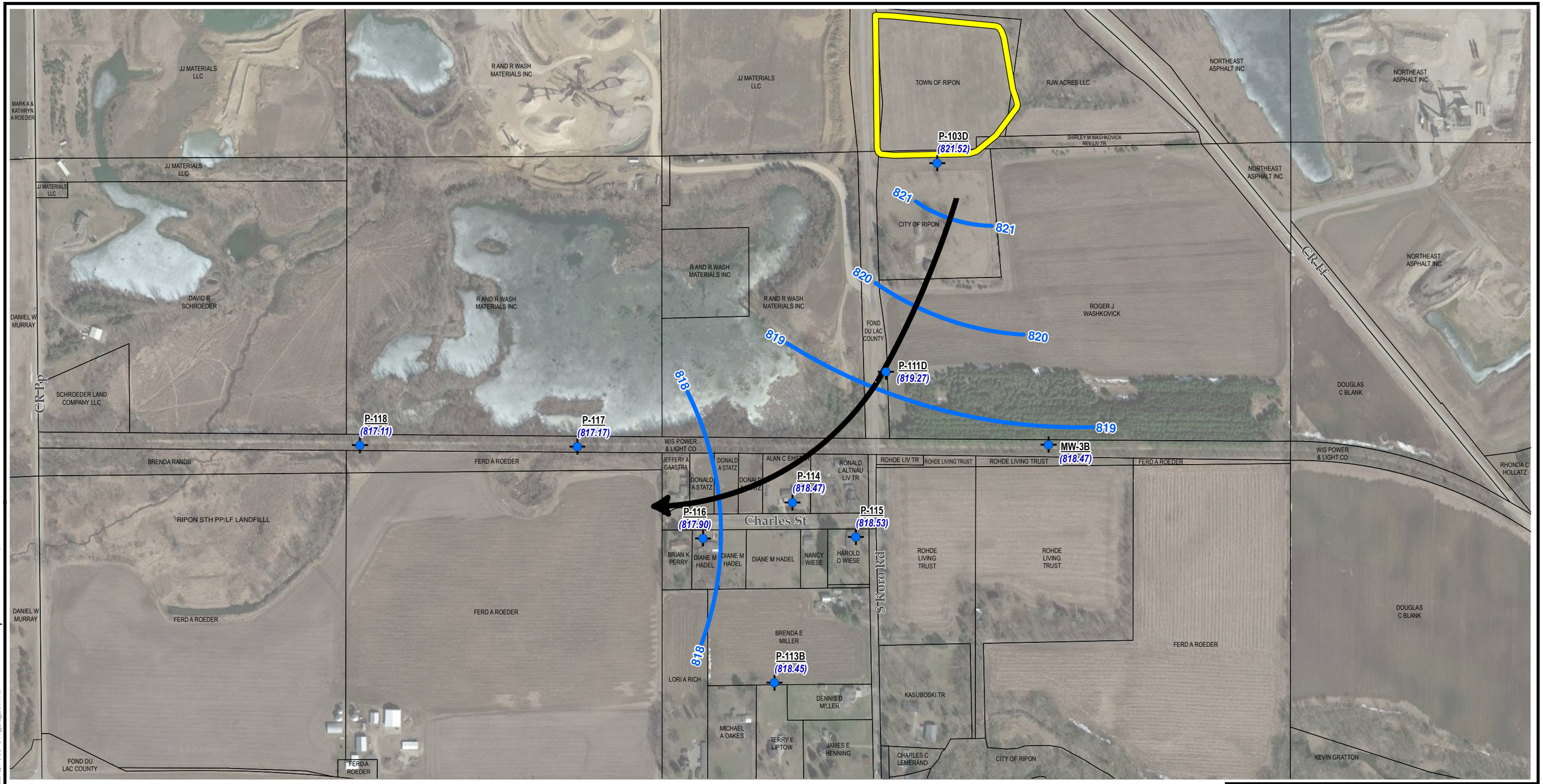
Updated By: A. Stehn 4/28/2023

Checked by: M. Holicky 4/28/2023

TRC - GIS

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

Plot Date: 4/14/2023, 09:30:03 AM by AADAIR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\Ripon\2022_472213\472213-2022-Q4-003-GW_EL_L3.mxd



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., (3/11/2021).

N

0 200 400 Feet

1 " = 400 '

1:4,800

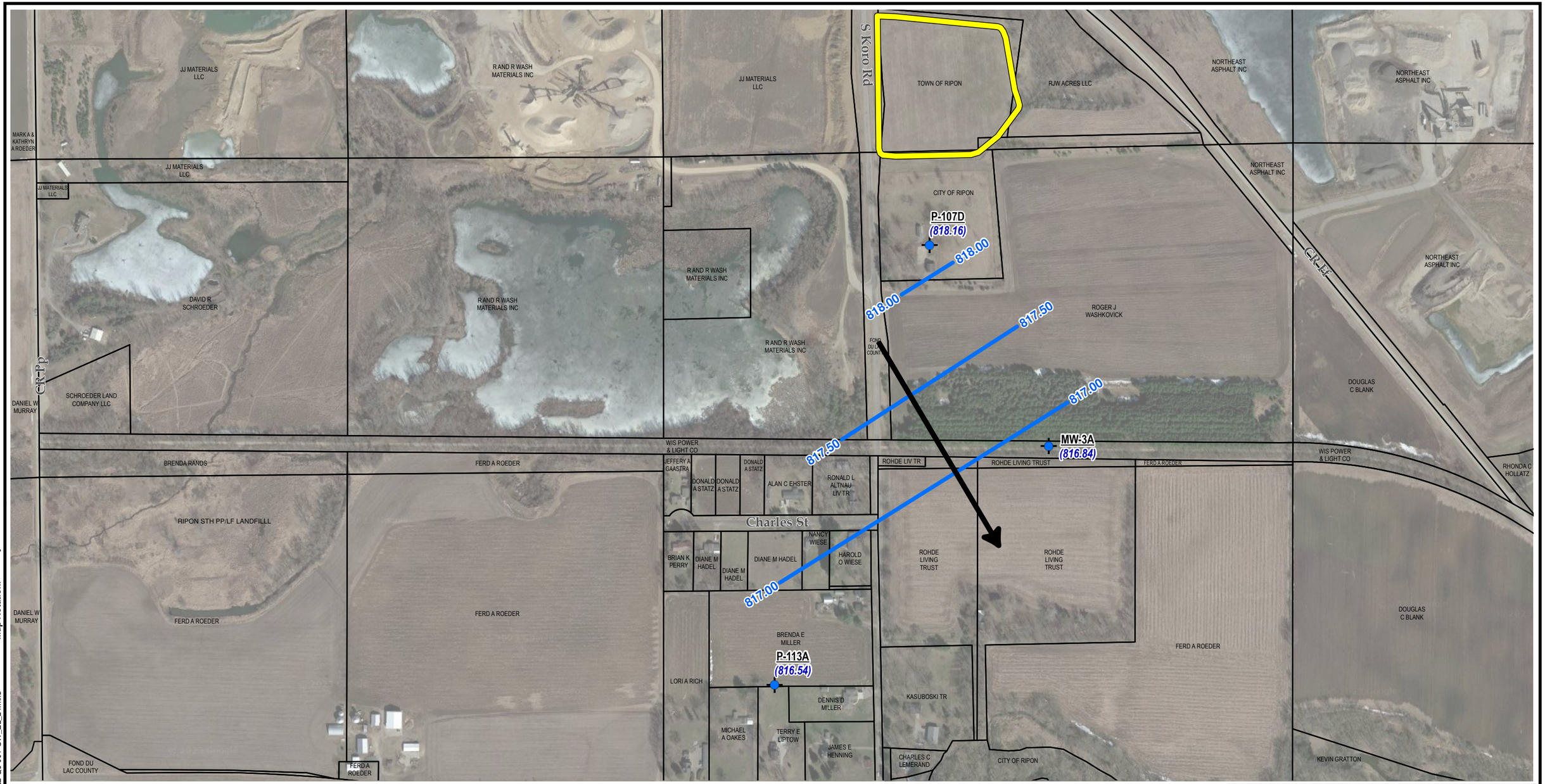
PROJECT:
FF/NN LANDFILL NPL SITE
RIPON, WI
FOURTH QUARTER 2022 REPORTING

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 4 LAYER 3 WELLS
DECEMBER 14, 2022

DRAWN BY:	A. ADAIR	PROJ. NO.:	472213
CHECKED BY:	A. STEHN		
APPROVED BY:	S. SELLWOOD		**FIGURE 1**
DATE:	FEBRUARY 2023		

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

FILE NO.: 472213-2022-Q4-003-GW_EL_L3.mxd



LEGEND

- **MW-112** *(820.00)* — 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
THIRD QUARTER 2022 REPORTING

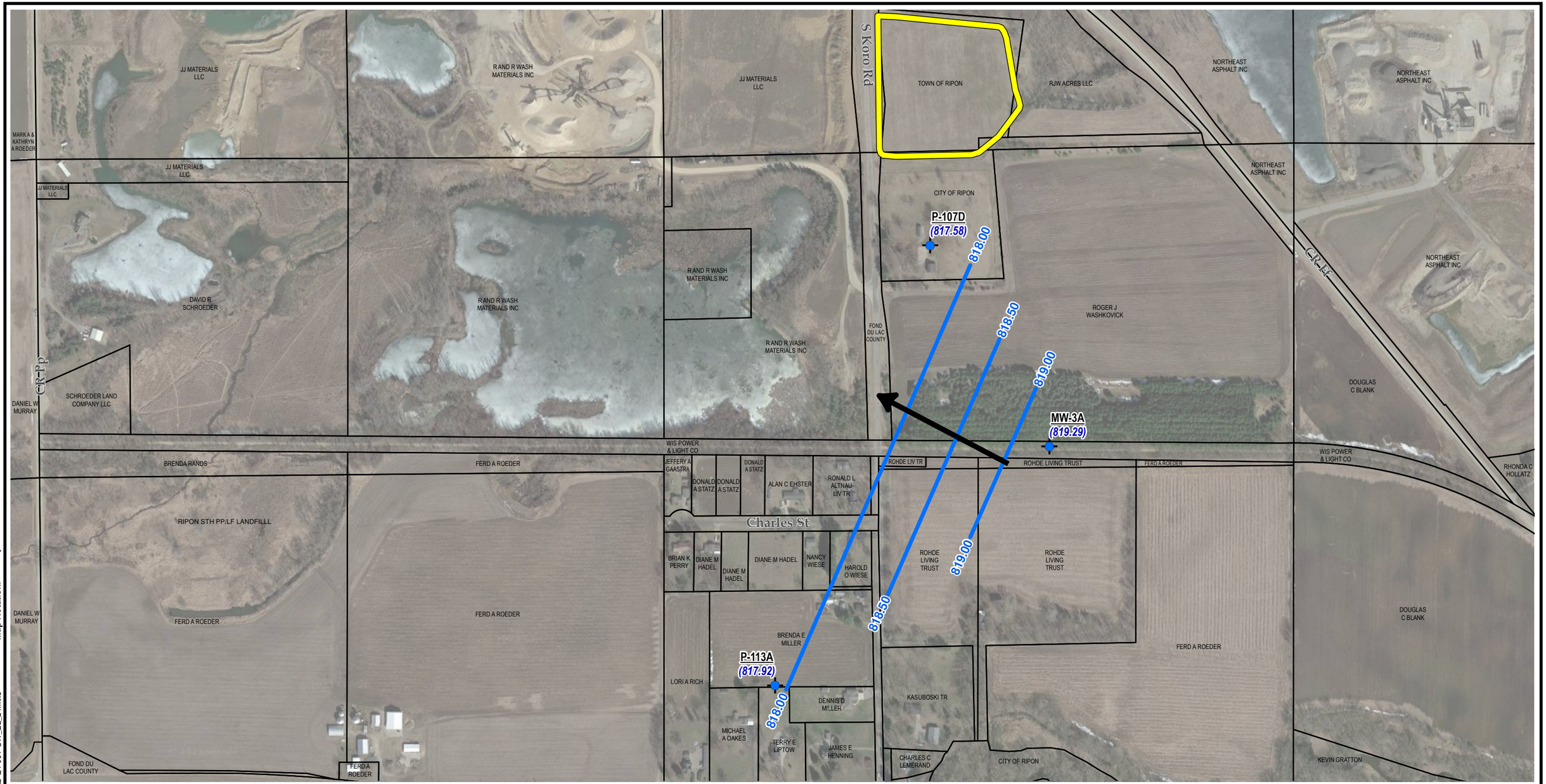
TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 3 LAYER 4 WELLS
SEPTEMBER 27 AND 28, 2022

DRAWN BY:	A. ADAIR	PROJ. NO.:	472213
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 2**
DATE:	APRIL 2023		

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

FILE NO.: 421748-2022-Q3-001-GW_EL_L4.mxd

Plot Date: 4/12/2023, 11:39:01 AM by AADAIR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\Ripon\2021_421748\421748-2022-Q3-001-GW_EL_L4.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



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., (3/11/2021).

N

0 200 400 Feet

1 " = 400 '

1:4,800

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

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 4 LAYER 4 WELLS
DECEMBER 14, 2022

DRAWN BY:	A. ADAIR	PROJ. NO.:	472213
CHECKED BY:	A. STEHN		
APPROVED BY:	S. SELLWOOD		
DATE:	FEBRUARY 2023		

FIGURE 3

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

FILE NO.: 472213-2022-Q4-001-GW_EL_L4.mxd

Plot Date: 4/14/2023, 09:18:42 AM by AADAIR -- LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\Ripon\2022_472213\472213-2022-Q4-001-GW_EL_L4.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS

Appendix A: Site Inspection Reports

PROJECT NAME:	FF/NN Landfill NPL Site
PROJECT NUMBER:	472213
PROJECT MANAGER:	Andy Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	9/27/2022 TO 9/28/2022
PURPOSE OF FIELDWORK:	Q3 Sampling Event
WORK PERFORMED BY:	Andrew Ruetten/John Roelke

Andrew Ruetten 11/28/2022

SIGNED DATE

Lydia Annes 12/6/22

CHECKED BY DATE

GENERAL NOTES

PROJECT NAME: FF/NN Landfill NPL Site	DATE: 9/27/2022	TIME ARRIVED: 8:45
PROJECT NUMBER: 472213	AUTHOR: Andrew Ruetten/John Roelke	TIME LEFT: 18:20

WEATHER		
TEMPERATURE: 52 °F	WIND: NM MPH	VISIBILITY: clear

WORK / SAMPLING PERFORMED
Sampled wells MW-103, MW-112, P-103, P-103D, MW-3A, MW-3B, P-107D, P-111D, P-117, and P-118.
Took one duplicate sample.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Minor calibration issues at start of day.	Waited for water to warm up.

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS
Andy Stehn	TRC	Checked in at end of day.

Andrew Ruetten 11/28/2022

SIGNED DATE

Lydia Annes 12/6/22

CHECKED BY DATE

GENERAL NOTES

PROJECT NAME: FF/NN Landfill NPL Site	DATE: 9/28/2022	TIME ARRIVED: 9:00
PROJECT NUMBER: 472213	AUTHOR: Andrew Ruetten/John R	TIME LEFT: 15:00

WEATHER		
TEMPERATURE: 55 °F	WIND: NM MPH	VISIBILITY: clear

WORK / SAMPLING PERFORMED
Sampled wells P-113A, P-113B, P-114, P-115, and P-116.
Collected one duplicate sample.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
None	

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS
Andy Stehn	TRC	Checked in after sampling finished.

Andrew Ruetten 11/28/2022

SIGNED DATE

Lydia Annes 12/6/22

CHECKED BY DATE

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: FF/NN Landfill NPL Site	MANUF: InSitu	MODEL: AquaTROLL 400	SAMPLER: Andrew Ruetten
PROJECT NO.: 472213	OWNER: TRC	SER #: 822478	DATE: 9/27/22 - 9/28/22

PH METER

CALIBRATION			POST SAMPLING CALIBRATION CHECK			
pH 4	pH 7	TIME	pH 4	pH 7	TIME	DATE
☑ WITHIN RANGE	☑ WITHIN RANGE	9:30	4.12	7.03	19:00	9/27/22
☑ WITHIN RANGE	☑ WITHIN RANGE	8:32	4.18	7.13	14:30	9/28/22
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					

CONDUCTIVITY METER

CALIBRATION			POST SAMPLING CALIBRATION CHECK			
STANDARD		TIME	CHECK	TEMP	TIME	DATE
4490 µS/cm	☑ WITHIN RANGE	9:29	4765 µS/cm	11.84 °C	18:57	9/27/22
4490 µS/cm	☑ WITHIN RANGE	8:30	4459 µS/cm	13.50 °C	14:30	9/28/22
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		

DO METER

CALIBRATION	TIME	CALIBRATION	TIME	DATE
☑ WITHIN RANGE	9:10	☑ WITHIN RANGE	18:52	9/27/22
☑ WITHIN RANGE	8:25	☑ WITHIN RANGE	14:25	9/28/22
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		

ORP METER

		POST SAMPLING CALIBRATION CHECK			
CALIBRATION	TIME	CHECK	TEMP	TIME	DATE
☑ WITHIN RANGE	9:27	94.9 mV	11.62 °C	18:55	9/27/22
☑ WITHIN RANGE	8:25	233.4 mV	14.44 °C	14:28	9/28/22
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		

TURBIDITY CALIBRATION CHECK

METER TYPE:	Hach 2100P							
PRE-SAMPLING CALIBRATION CHECK				POST SAMPLING CALIBRATION CHECK				
GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	DATE

Autocal Solution Lot#:	2GB078	Exp Date:	2/23
pH 7 Soultion Lot#:	1G31214	Exp Date:	10/23
ORP Solution Lot#:	22F100031	Exp Date:	2/23

Parameters Calibrated: ☑ pH ☑ Conductivity ☐ Turbidity ☑ ORP ☑ Dissolved Oxygen

NOTES

DATE	PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

Nolan Ruetten 11/28/2022
SIGNED DATE

Lydia Annes 12/6/22
Checked DATE

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: FF/NN Landfill NPL Site	MANUF: InSitu	MODEL: AquaTROLL 400	SAMPLER: JR
PROJECT NO.: 472213	OWNER: TRC	SER #: 807539	DATE: 9/27/22 - 9/27/22

PH METER

CALIBRATION			POST SAMPLING CALIBRATION CHECK			
pH 4	pH 7	TIME	pH 4	pH 7	TIME	DATE
☑ WITHIN RANGE	☑ WITHIN RANGE	8:05	4.07	7.02	13:09	9/27/22
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					

CONDUCTIVITY METER

CALIBRATION			POST SAMPLING CALIBRATION CHECK			
STANDARD		TIME	CHECK	TEMP	TIME	DATE
4490 µS/cm	☑ WITHIN RANGE	8:10	4504 µS/cm	18.20 °C	13:12	9/27/22
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		

DO METER

CALIBRATION	TIME	CALIBRATION	TIME	DATE
☑ WITHIN RANGE	8:21	☑ WITHIN RANGE	13:18	9/27/22
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		

ORP METER

		POST SAMPLING CALIBRATION CHECK			
CALIBRATION	TIME	CHECK	TEMP	TIME	DATE
☑ WITHIN RANGE	8:14	231.6 mV	17.83 °C	13:15	9/27/22
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		

TURBIDITY CALIBRATION CHECK

METER TYPE: Hach 2100P

PRE-SAMPLING CALIBRATION CHECK				POST SAMPLING CALIBRATION CHECK				
GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	DATE

Autocal Solution Lot#:	2GB078	Exp Date:	2/23
pH 7 Soultion Lot#:	1G31214	Exp Date:	10/23
ORP Solution Lot#:	22F100031	Exp Date:	2/23

Parameters Calibrated: ☑ pH ☑ Conductivity ☐ Turbidity ☑ ORP ☑ Dissolved Oxygen

NOTES

DATE	PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 11/28/2022
SIGNED DATE

[signature] 12/6/22
Checked DATE

TRC

WATER LEVEL DATA

PROJECT NAME:	FF/NN Landfill NPL Site	DATE:	9/27/2022 - 9/28/2022
PROJECT NUMBER:	472213	AUTHOR:	AR

WELL LOCATION	DATE MEASURED	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	PRODUCT THICKNESS (IN)	WATER ELEVATION
MW-101	NM		884.73					
P-101	NM		885.39					
MW-102	NM		842.90					
P-102	NM		842.85					
MW-103	09/27/22	12:30	872.30	51.43	53.69			820.87
P-103	09/27/22	10:54	872.74	49.92				822.82
P-103D	09/27/22	11:35	872.91	51.16				821.75
MW-104	NM		875.20					
P-104	NM		875.40					
MW-106	NM		878.75					
P-106	NM		878.80					
MW-107	NM		871.69					
P-107	NM		871.33					
P-107D	09/27/22	9:50	871.90	53.74				818.16
MW-108	NM		845.08					
P-108	NM		845.48					
MW-111	NM		856.09					
P-111	NM		856.28					
P-111D	09/27/22	13:05	855.56	36.32				819.24
MW-112	09/27/22	11:43	874.70	54.56	60.47			820.14
P-113A	09/28/22	12:45	833.16	16.62				816.54
P-113B	09/28/22	12:46	833.16	15.40				817.76
P-114	09/28/22	10:30	839.36	21.01				818.35
P-115	09/28/22	9:15	842.67	24.20				818.47
P-116	09/28/22	11:30	845.86	28.05				817.81
P-117	09/27/22	16:26	833.96	16.70				817.26
P-118	09/27/22	17:30	826.74	9.60				817.14
MW-3A	09/27/22	14:13	850.60	33.76				816.84
MW-3B	09/27/22	14:15	850.89	31.64				819.25

Andrew Ruffin 11/28/2022

SIGNED DATE

Lydia Annes 12/6/22

CHECKED DATE

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22
WELL ID:	**MW-3A**	UNIQUE SAMPLE ID: MW-3A-202209		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **14:20**	DATE: **09/27/22**	SAMPLE:	TIME: **14:45**	DATE: **09/27/22**

PUMP TYPE: BLADDER PUMP (Dedicated)		PH: **7.31** SU	CONDUCTIVITY: **428.1** umhos/cm
STABILIZATION CRITERIA: TRC SOP		DO: **2.20** mg/l	ORP: **38.7** mV
DEPTH TO WATER: **33.76** T/ PVC		TURBIDITY: **0.3** NTU	
DEPTH TO BOTTOM: T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: ☑ LITERS ☐ GALLONS		TEMPERATURE: **9.92** °C	OTHER: **--**
VOLUME REMOVED: **6.9** ☑ LITERS ☐ GALLONS		COLOR: **no**	ODOR: **slight non-petro odor**
COLOR: **no** ODOR: **no**		FILTRATE (0.45 um) ☑ YES ☐ NO	
TURBIDITY		FILT COLOR: **no**	FILT ODOR: **no**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD ☐ DUP-	
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		COMMENTS: Purge water dumped at water treatment facility.	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
14:20	275	10.26	418.6	12.20	7.69	8.5	0.6	33.76	0.0
14:25	275	9.90	429.9	3.61	7.50	17.9	0.39	33.76	1.4
14:30	275	9.89	426.9	2.67	7.40	4.6	0.35	34.79	2.8
14:35	275	9.92	427.6	2.38	7.35	33.4	0.3	34.79	4.1
14:40	275	9.92	428.3	2.24	7.33	36.3	0.3	34.79	5.5
14:45	275	9.92	428.1	2.20	7.31	38.7	0.3	34.79	6.9

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED: 9/28/22	
	SIGNATURE: Chelsea Beattie	DATE SIGNED: 11/28/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22

WELL ID: **MW-3B**	UNIQUE SAMPLE ID: MW-3B-202209	WELL DIAMETER: 2 in

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

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

PURGING	TIME: **15:15**	DATE: **09/27/22**	SAMPLE:	TIME: **15:55**	DATE: **09/27/22**

PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.41** SU	CONDUCTIVITY: **504.8** umhos/cm	
STABILIZATION CRITERIA: TRC SOP	DO: **2.75** mg/l	ORP: **-84.6** mV	
DEPTH TO WATER: **31.64** T/ PVC	TURBIDITY: **0.4** NTU		
DEPTH TO BOTTOM: T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS	TEMPERATURE: **9.89** °C	OTHER: **--**	
VOLUME REMOVED: **10.0** ☑ LITERS ☐ GALLONS	COLOR: **slightly gray**	ODOR: **yes**	
COLOR: **gray** ODOR: **yes**	FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY	FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
15:15	250	10.78	379.2	25.73	NR	-22.2	0.7	31.64	0.0
15:20	250	10.01	465.1	4.26	7.76	-195.5	0.5	31.78	1.3
15:25	250	9.94	533.1	2.95	7.54	-134.8	0.39	31.78	2.5
15:30	250	9.93	529.2	2.77	7.49	-87.9	0.35	31.78	3.8
15:35	250	9.91	521.1	2.74	7.47	-118.9	0.35	31.78	5.0
15:40	250	9.90	516.2	2.70	7.44	-50.3	0.4	31.78	6.3
15:45	250	9.89	511.4	2.77	7.43	-93.4	0.4	31.78	7.5
15:50	250	9.89	507.7	2.76	7.42	-88.7	0.41	31.78	8.8
15:55	250	9.89	504.8	2.75	7.41	-84.6	0.4	31.78	10.0

BOTTLES FILLED

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

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WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **JR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22

WELL ID: MW-103	UNIQUE SAMPLE ID: MW-103-202209	WELL DIAMETER: 2 in

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

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

PURGING START	TIME: **12:30**	DATE: **09/27/22**	SAMPLE:	TIME: **12:38**	DATE: **09/27/22**

SAMPLE METHOD:			PH: **6.84** SU	CONDUCTIVITY: **963.8** umhos/cm
	☑	BAILER (DISPOSABLE HDPE)	DO: **8.97** mg/l	ORP: **35.3** mV
	☐	PASSIVE	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	

DEPTH TO WATER: **51.43** T/ PVC	TURBIDITY: NTU	
DEPTH TO BOTTOM **53.69** T/ PVC	TEMPERATURE: **12.45** °C	OTHER
WELL VOLUME: **0.37** ☐ LITERS ☑ GALLONS	COLOR: **no**	ODOR: **no**
VOLUME REMOVED **1.5** ☐ LITERS ☑ GALLONS	FILTRATE (0.45 um) ☑ YES ☐ NO	
COLOR: **no** ODOR: **no**	FILT COLOR: **no**	FILT ODOR: **no**
TURBIDITY ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-	
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS: 4 VOA samples taken. Original notes specify 3.	

BOTTLES FILLED

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

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**		BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22
WELL ID: **P-103**	UNIQUE SAMPLE ID: P-103-202209			WELL DIAMETER: 2 in	
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON				☐ OTHER:	
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI			☐ LEACHATE	☐ OTHER:	

PURGING	TIME: **11:05**	DATE: **09/27/22**	SAMPLE:	TIME: **11:45**	DATE: **09/27/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **6.71** SU	CONDUCTIVITY: **540.3** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **4.54** mg/l	ORP: **21.3** mV	
DEPTH TO WATER: **49.92** T/ PVC			TURBIDITY: **6.9** NTU		
DEPTH TO BOTTOM: T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: **10.73** °C	OTHER: **--**	
VOLUME REMOVED: **10.0** ☑ LITERS ☐ GALLONS			COLOR: **no**	ODOR: **no**	
COLOR: **no** ODOR: **no**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:05	250	11.38	543.7	26.03	7.04	90.5	22.2	50.19	0.0
11:10	250	11.18	552.2	11.52	6.70	76.7	22	50.19	1.3
11:15	250	11.01	544.1	8.30	6.63	64.3	17.5	50.19	2.5
11:20	250	11.10	547.6	7.07	6.62	56.0	13	50.19	3.8
11:25	250	11.06	544.4	6.16	6.64	50.8	11.5	50.19	5.0
11:30	250	11.19	546.7	5.58	6.66	43.0	6.47	50.19	6.3
11:35	250	11.27	549.5	5.22	6.67	35.3	6.9	50.19	7.5
11:40	250	10.97	546.7	4.78	6.70	29.4	6.9	50.19	8.8
11:45	250	10.73	540.3	4.54	6.71	21.3	6.9	50.19	10.0

BOTTLES FILLED

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

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**		BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22
WELL ID: **P-103D**	UNIQUE SAMPLE ID: P-103D-202209			WELL DIAMETER: 2 in	
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON				☐ OTHER:	
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI				☐ LEACHATE	☐ OTHER:

PURGING	TIME: **12:00**	DATE: **09/27/22**	SAMPLE:	TIME: **12:20**	DATE: **09/27/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **6.80** SU	CONDUCTIVITY: **615.6** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **3.57** mg/l	ORP: **8.3** mV	
DEPTH TO WATER: **51.16** T/ PVC			TURBIDITY: **0.4** NTU		
DEPTH TO BOTTOM: T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: **10.61** °C	OTHER: **--**	
VOLUME REMOVED: **5.5** ☑ LITERS ☐ GALLONS			COLOR: **no**	ODOR: **no**	
COLOR: **no** ODOR: **no**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
12:00	275	11.75	611.4	72.32	7.31	31.8	7.2	51.37	0.0
12:01	275	11.29	612.1	51.52	7.26	31.5	7.2	51.37	0.3
12:06	275	11.19	620.1	9.53	6.92	23.2	0.77	51.37	1.7
12:11	275	10.73	615.3	4.96	6.82	16.2	0.77	51.37	3.0
12:15	275	10.64	620.1	4.13	6.80	12.9	0.44	51.37	4.1
12:20	275	10.61	615.6	3.57	6.80	8.3	0.44	51.37	5.5

BOTTLES FILLED

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

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**		BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22
WELL ID: P-107D	UNIQUE SAMPLE ID: P-107D-202209			WELL DIAMETER: 2 in	
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON				☐ OTHER:	
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI			☐ LEACHATE	☐ OTHER:	

PURGING	TIME: **10:01**	DATE: **09/27/22**	SAMPLE:	TIME: **10:30**	DATE: **09/27/22**
PUMP TYPE: BLADDER PUMP (Dedicated)			PH: **7.03** SU	CONDUCTIVITY: **495.8** umhos/cm	
STABILIZATION CRITERIA: TRC SOP			DO: **21.68** mg/l	ORP: **101.2** mV	
DEPTH TO WATER: **53.74** T/ PVC			TURBIDITY: **0.7** NTU		
DEPTH TO BOTTOM: T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: **10.92** °C	OTHER: **--**	
VOLUME REMOVED: **7.5** ☑ LITERS ☐ GALLONS			COLOR: **no**	ODOR: **no**	
COLOR: **no** ODOR: **no**			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
10:01	300	10.98	464.6	26.39	6.78	106.4	0.7	53.74	0.0
10:06	300	10.90	460.6	23.28	6.89	100.5	0.61	53.76	1.5
10:11	300	10.82	463.9	24.31	6.95	100.1	0.66	53.76	3.0
10:16	300	10.87	485.2	22.50	6.98	101.2	0.66	53.76	4.5
10:21	300	10.86	494.7	21.98	7.01	101.7	0.66	53.76	6.0
10:26	300	10.92	495.8	21.68	7.03	101.2	0.65	53.76	7.5

BOTTLES FILLED

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

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	SIGNATURE: Chelsea Bright	DATE SIGNED: 11/28/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22
WELL ID:	**P-111D**	UNIQUE SAMPLE ID: P-111D-202209		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **13:10**	DATE: **09/27/22**	SAMPLE:	TIME: **13:50**	DATE: **09/27/22**

PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.23** SU	CONDUCTIVITY: **665.6** umhos/cm	
STABILIZATION CRITERIA: TRC SOP	DO: **2.31** mg/l	ORP: **-18.0** mV	
DEPTH TO WATER: **36.32** T/ PVC	TURBIDITY: **0.4** NTU		
DEPTH TO BOTTOM: T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS	TEMPERATURE: **10.40** °C	OTHER: **--**	
VOLUME REMOVED: **8.8** ☑ LITERS ☐ GALLONS	COLOR: **no**	ODOR: **slight non-petro odor**	
COLOR: **no** ODOR: **slight non-petro odor**	FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY	FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
13:10	250	12.40	665.4	40.10	7.48	5.4	0.8	36.32	0.0
13:15	250	10.68	667.1	6.08	7.31	-2.0	0.38	36.32	1.3
13:20	250	10.55	664.1	4.01	7.26	-21.8	0.42	36.32	2.5
13:25	250	10.45	663.5	3.23	7.24	-8.5	0.41	36.32	3.8
13:30	250	10.44	663.7	2.84	7.23	-29.1	0.4	36.56	5.0
13:35	250	10.40	663.5	2.71	7.23	-32.4	0.37	36.56	6.3
13:40	250	10.36	664.0	2.42	7.23	-16.4	0.37	36.56	7.5
13:45	250	10.40	665.6	2.31	7.23	-18.0	0.37	36.56	8.8

BOTTLES FILLED

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

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WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**		PREPARED		CHECKED	
PROJECT NUMBER: **472213**		BY: **JR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22
WELL ID: **MW-112**	UNIQUE SAMPLE ID: MW-112-202209			WELL DIAMETER: 2 in	
WELL MATERIAL: ☑ PVC ☐ SS ☐ GS ☐ IRON				☐ OTHER:	
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI			☐ LEACHATE	☐ OTHER:	
PURGING START	TIME: **11:43**	DATE: **09/27/22**	SAMPLE:	TIME: **11:54**	DATE: **09/27/22**
SAMPLE METHOD: ☐ PUMP			PH: **5.89** SU	CONDUCTIVITY: **902.0** umhos/cm	
☑ BAILER	BAILER (DISPOSABLE HDPE)		DO: **5.67** mg/l	ORP: **116.4** mV	
☐ PASSIVE			☑ NONE ☐ SLIGHT	☐ MODERATE ☐ VERY	
DEPTH TO WATER: **54.56** T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM **60.47** T/ PVC			TEMPERATURE: **12.75** °C	OTHER	
WELL VOLUME: **0.96** ☐ LITERS ☑ GALLONS			COLOR: **no**	ODOR: **no**	
VOLUME REMOVED **3.0** ☐ LITERS ☑ GALLONS			FILTRATE (0.45 um) ☑ YES	☐ NO	
COLOR: **no** ODOR: **no**			FILT COLOR: **no**	FILT ODOR: **no**	
TURBIDITY ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: 4 VOA samples taken. Original notes specify 3.		

BOTTLES FILLED

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

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **AR**	DATE: **9/28/22**	BY: LCA	DATE: 12/6/22

WELL ID: **P-113A**	UNIQUE SAMPLE ID: P-113A-202209		WELL DIAMETER: 2 in
WELL MATERIAL:	☑ PVC ☐ SS ☐ GS ☐ IRON		☐ OTHER:
SAMPLE TYPE:	☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE		☐ OTHER:

PURGING		SAMPLE:	
TIME: **12:57**	DATE: **09/28/22**	TIME: **13:30**	DATE: **09/28/22**
PUMP TYPE: BLADDER PUMP (Dedicated)		PH: **7.55** SU	CONDUCTIVITY: **428.4** umhos/cm
STABILIZATION CRITERIA: TRC SOP		DO: **4.52** mg/l	ORP: **36.8** mV
DEPTH TO WATER: **16.62** T/ PVC		TURBIDITY: **1.4** NTU	
DEPTH TO BOTTOM: T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: ☑ LITERS ☐ GALLONS		TEMPERATURE: **11.06** °C	OTHER: **--**
VOLUME REMOVED: **6.5** ☑ LITERS ☐ GALLONS		COLOR: **no**	ODOR: **no**
COLOR: **no**	ODOR: **no**	FILTRATE (0.45 um) ☑ YES	☐ NO
TURBIDITY		FILT COLOR: **no**	FILT ODOR: **no**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☐ DUP-
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		COMMENTS:	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
12:57	250	12.21	433.2	29.40	8.07	66.2	0.8	18.14	0.0
13:02	250	11.20	429.6	4.41	7.87	69.4	0.91	18.14	1.3
13:08	250	11.12	433.9	3.30	7.71	69.4	0.94	18.57	2.8
13:13	250	11.06	427.6	2.87	7.62	29.7	1.17	18.57	4.0
13:18	250	11.10	428.4	3.45	7.58	70.2	1.29	18.57	5.3
13:23	250	11.06	428.4	4.52	7.55	36.8	1.43	18.69	6.5

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED: 9/28/22	
	SIGNATURE:	DATE SIGNED: 11/28/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/28/22**	BY: LCA	DATE: 12/6/22
WELL ID:	**P-113B**	UNIQUE SAMPLE ID: P-113B-202209		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **13:40**	DATE: **09/28/22**	SAMPLE:	TIME: **14:10**	DATE: **09/28/22**

PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.46** SU	CONDUCTIVITY: **526.5** umhos/cm	
STABILIZATION CRITERIA: TRC SOP	DO: **2.03** mg/l	ORP: **23.1** mV	
DEPTH TO WATER: **15.40** T/ PVC	TURBIDITY: **1.8** NTU		
DEPTH TO BOTTOM: T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS	TEMPERATURE: **11.29** °C	OTHER: **--**	
VOLUME REMOVED: **7.5** ☑ LITERS ☐ GALLONS	COLOR: **no**	ODOR: **no**	
COLOR: **no** ODOR: **no**	FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY	FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
13:40	250	13.16	530.7	28.27	7.99	44.3	5.7	15.56	0.0
13:45	250	11.47	527.4	4.26	7.80	-27.1	4.2	15.56	1.3
13:50	250	11.38	526.4	2.67	7.65	-29.2	2.01	15.56	2.5
13:55	250	11.32	526.0	2.34	7.57	32.8	1.75	15.56	3.8
14:00	250	11.33	526.6	2.20	7.51	29.0	1.78	15.56	5.0
14:05	250	11.30	526.2	2.05	7.48	-46.0	1.79	15.56	6.3
14:10	250	11.29	526.5	2.03	7.46	23.1	1.79	15.56	7.5

BOTTLES FILLED

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

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	SIGNATURE: [signature]	DATE SIGNED: 11/28/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/28/22**	BY: LCA	DATE: 12/6/22
WELL ID:	**P-114**	UNIQUE SAMPLE ID: P-114-202209		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **10:35**	DATE: **09/28/22**	SAMPLE:	TIME: **11:10**	DATE: **09/28/22**

PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.35** SU	CONDUCTIVITY: **600.8** umhos/cm	
STABILIZATION CRITERIA: TRC SOP	DO: **1.62** mg/l	ORP: **19.9** mV	
DEPTH TO WATER: **21.01** T/ PVC	TURBIDITY: **0.4** NTU		
DEPTH TO BOTTOM: T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS	TEMPERATURE: **10.74** °C	OTHER: **--**	
VOLUME REMOVED: **7.5** ☑ LITERS ☐ GALLONS	COLOR: **no**	ODOR: **no**	
COLOR: **no** ODOR: **no**	FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY	FILT COLOR: **no**	FILT ODOR: **no**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
10:35	250	12.53	608.4	33.37	7.54	46.9	2.5	21.06	0.0
10:40	250	10.80	602.9	3.82	7.46	-30.7	2.03	21.06	1.3
10:45	250	10.74	604.8	2.11	7.43	-32.9	1.26	21.16	2.5
10:50	250	10.73	603.1	1.80	7.40	25.9	1.02	21.16	3.8
10:55	250	10.73	601.1	1.67	7.37	-44.3	0.49	21.16	5.0
11:00	250	10.73	601.0	1.64	7.35	20.5	0.35	21.16	6.3
11:05	250	10.74	600.8	1.62	7.35	19.9	0.35	21.16	7.5

BOTTLES FILLED

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

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER: **472213**	BY: **AR**	DATE: **9/28/22**	BY: LCA	DATE: 12/6/22

WELL ID: **P-115** | UNIQUE SAMPLE ID: P-115-202209 | WELL DIAMETER: 2 in

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

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

PURGING		SAMPLE:	
TIME: **9:27**	DATE: **09/28/22**	TIME: **10:05**	DATE: **09/28/22**
PUMP TYPE: BLADDER PUMP (Dedicated)		PH: **7.19** SU	CONDUCTIVITY: **477.0** umhos/cm
STABILIZATION CRITERIA: TRC SOP		DO: **2.13** mg/l	ORP: **30.6** mV
DEPTH TO WATER: **24.20** T/ PVC		TURBIDITY: **3.2** NTU	
DEPTH TO BOTTOM: T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: ☑ LITERS ☐ GALLONS		TEMPERATURE: **10.39** °C	OTHER: **--**
VOLUME REMOVED: **7.5** ☑ LITERS ☐ GALLONS		COLOR: **no**	ODOR: **no**
COLOR: **no**	ODOR: **no**	FILTRATE (0.45 um) ☑ YES	☐ NO
TURBIDITY		FILT COLOR: **no**	FILT ODOR: **no**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☑ DUP- 02
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		COMMENTS:	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
9:27	250	11.33	480.8	18.97	6.51	77.6	3.4	24.20	0.0
9:32	250	10.57	469.2	3.85	6.85	-19.2	5.83	24.40	1.3
9:37	250	10.45	477.8	2.55	6.95	33.6	4.27	24.45	2.5
9:42	250	10.36	476.8	2.20	7.03	-21.5	3.7	24.45	3.8
9:47	250	10.33	476.7	2.06	7.10	33.3	3.34	24.45	5.0
9:52	250	10.36	476.4	1.99	7.15	32.2	4.52	24.45	6.3
9:57	250	10.39	477.0	2.13	7.19	30.6	3.19	24.45	7.5

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
8 ~~4~~	40 mL	VOA	HCL	☐ Y ☑ N	2 ~~1~~	250 mL	CLR PLST	H2SO4	☐ Y ☑ N
2 ~~1~~	125 mL	CLR PLST	None	☐ Y ☑ N					☐ Y ☐ N
2 ~~1~~	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N

LCA 12/6/22

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/28/22**	BY: LCA	DATE: 12/6/22
WELL ID:	**P-116**	UNIQUE SAMPLE ID: P-116-202209		WELL DIAMETER:	2 in
WELL MATERIAL:	☑ PVC ☐ SS ☐ GS ☐ IRON			☐ OTHER:	
SAMPLE TYPE:	☑ GW ☐ WW ☐ SW ☐ DI		☐ LEACHATE	☐ OTHER:	

PURGING	TIME: **11:35**	DATE: **09/28/22**	SAMPLE:	TIME: **12:10**	DATE: **09/28/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.62** SU	CONDUCTIVITY: **414.5**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **2.14** mg/l	ORP: **65.2**	mV
DEPTH TO WATER:	**28.05** T/ PVC		TURBIDITY: **2.4** NTU		
DEPTH TO BOTTOM:	T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	☑ LITERS ☐ GALLONS		TEMPERATURE: **11.47** °C	OTHER:	**--**
VOLUME REMOVED:	**6.3** ☑ LITERS ☐ GALLONS		COLOR: **no**	ODOR:	**no**
COLOR:	**no** ODOR: **no**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **no**	FILT ODOR:	**no**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:35	250	12.76	421.9	13.24	7.79	58.8	1.9	28.78	0.0
11:40	250	11.43	416.2	3.20	7.70	58.7	3.5	28.78	1.3
11:45	250	11.36	413.0	2.52	7.66	22.6	4.86	28.84	2.5
11:50	250	11.29	412.2	2.25	7.64	64.4	3.05	28.84	3.8
11:55	250	11.38	413.4	2.11	7.62	65.0	2.39	28.84	5.0
12:00	250	11.47	414.5	2.14	7.62	65.2	2.44	28.84	6.3

BOTTLES FILLED

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

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	SIGNATURE: Nicholas Battle	DATE SIGNED: 11/28/2022

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**FF/NN Landfill NPL Site**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **AR**	DATE: **9/27/22**	BY: LCA	DATE: 12/6/22

WELL ID: **P-117** — UNIQUE SAMPLE ID: P-117-202209 — WELL DIAMETER: 2 in

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

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

PURGING		SAMPLE:	
TIME: **16:30**	DATE: **09/27/22**	TIME: **17:10**	DATE: **09/27/22**
PUMP TYPE: BLADDER PUMP (Dedicated)		PH: **7.21** SU	CONDUCTIVITY: **593.9** umhos/cm
STABILIZATION CRITERIA: TRC SOP		DO: **3.12** mg/l	ORP: **-52.5** mV
DEPTH TO WATER: **16.70** T/ PVC		TURBIDITY: **0.5** NTU	
DEPTH TO BOTTOM: T/ PVC		☑ NONE ☐ SLIGHT	☐ MODERATE ☐ VERY
WELL VOLUME: ☑ LITERS ☐ GALLONS		TEMPERATURE: **10.64** °C	OTHER: **--**
VOLUME REMOVED: **8.3** ☑ LITERS ☐ GALLONS		COLOR: **no**	ODOR: **no**
COLOR: **no**	ODOR: **no**	FILTRATE (0.45 um) ☑ YES	☐ NO
TURBIDITY		FILT COLOR: **no**	FILT ODOR: **no**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD	☑ DUP- 01
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		COMMENTS:	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
16:30	275	11.05	587.8	44.72	7.73	12.2	3.3	16.70	0.0
16:35	275	10.86	599.0	7.40	7.46	3.8	1.1	16.70	1.4
16:40	275	10.82	596.8	4.48	7.32	-48.1	0.86	16.82	2.8
16:45	275	10.78	596.6	3.83	7.26	1.7	0.61	16.82	4.1
16:50	275	10.73	595.1	3.47	7.23	-51.2	0.51	16.82	5.5
16:55	275	10.65	594.8	3.28	7.22	0.4	0.5	16.82	6.9
17:00	275	10.64	593.9	3.12	7.21	-52.5	0.5	16.82	8.3

BOTTLES FILLED

LCA 12/6/22

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
8 ~~4~~	40 mL	VOA	HCL	☐ Y ☑ N	2 ~~1~~	250 mL	CLR PLST	H2SO4	☐ Y ☑ N
2 ~~1~~	125 mL	CLR PLST	None	☐ Y ☑ N					☐ Y ☐ N
2 ~~1~~	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N

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LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: **FF/NN Landfill NPL Site**		PREPARED	CHECKED
PROJECT NUMBER: **472213**		BY: **AR** DATE: **9/27/22**	BY: LCA DATE: 12/6/22
WELL ID: **P-118**	UNIQUE SAMPLE ID: P-118-202209		WELL DIAMETER: 2 in

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

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

PURGING TIME: **17:40** DATE: **09/27/22**	SAMPLE: TIME: **18:15** DATE: **09/27/22**
PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.36** SU CONDUCTIVITY: **482.9** umhos/cm
STABILIZATION CRITERIA: TRC SOP	DO: **3.39** mg/l ORP: **3.7** mV
DEPTH TO WATER: **9.60** T/ PVC	TURBIDITY: **0.8** NTU
DEPTH TO BOTTOM: T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: ☑ LITERS ☐ GALLONS	TEMPERATURE: **10.98** °C OTHER: **--**
VOLUME REMOVED: **7.5** ☑ LITERS ☐ GALLONS	COLOR: **no** ODOR: **no**
COLOR: **no** ODOR: **no**	FILTRATE (0.45 um) ☑ YES ☐ NO
TURBIDITY	FILT COLOR: **no** FILT ODOR: **no**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS:

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
17:40	250	11.32	480.5	50.36	7.68	21.3	3.4	9.60	0.0
17:45	250	11.10	486.4	11.92	7.54	12.5	2.11	9.60	1.3
17:50	250	11.06	483.7	5.38	7.44	-40.6	1.58	9.60	2.5
17:55	250	11.06	484.4	4.14	7.39	4.9	1.58	9.60	3.8
18:00	250	11.03	483.3	3.75	7.38	-47.6	1.49	9.60	5.0
18:05	250	11.01	482.7	3.53	7.37	-48.5	0.81	9.60	6.3
18:10	250	10.98	482.9	3.39	7.36	3.7	0.8	9.60	7.5

BOTTLES FILLED

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

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GROUNDWATER SUMMARY SHEET

PROJECT NAME	FF/NN Landfill NPL Site	**SAMPLERS**	Andrew Ruetten & John Roelke
PROJECT NUMBER	472213	**SAMPLE DATES**	9/27/2022 - 9/28/2022

	GROUNDWATER ELEVATION SHEET SUMMARY						FIELD SAMPLE INFORMATION																
WELL ID	DEPTH TO WATER DATE	DEPTH TO WATER TIME	DEPTH TO WATER (GWEL SHEET)	REFERANCE ELEVATION	GROUNDWATER ELEVATION (GWEL SHEET)	PRODUCT THICKNESS	UNIQUE SAMPLE ID	SAMPLE DATE	SAMPLE TIME	DTW (PRIOR TO PURGE)	pH	SPECIFIC COND	TEMP	DO	ORP	COLOR	ODOR	TURB (NTU)	TURB (Description)	Filtered	Filter Color	Filter Odor	MS/MSD	Duplicate
MW-101	NM			884.73			NO SAMPLE FORM																	
P-101	NM			885.39			NO SAMPLE FORM																	
MW-102	NM			842.90			NO SAMPLE FORM																	
P-102	NM			842.85			NO SAMPLE FORM																	
MW-103	09/27/22	12:30	51.43	872.30	820.87		MW-103-202209	09/27/22	12:38	51.43	6.84	963.81	12.45	8.97	35.3	no	no		NONE	YES	no	no		
P-103	09/27/22	10:54	49.92	872.74	822.82		P-103-202209	09/27/22	11:45	49.92	6.71	540.30	10.73	4.54	21.3	no	no	6.90	NONE	YES	no	no		
P-103D	09/27/22	11:35	51.16	872.91	821.75		P-103D-202209	09/27/22	12:20	51.16	6.80	615.60	10.61	3.57	8.3	no	no	0.44	NONE	YES	no	no		
MW-104	NM			875.20			NO SAMPLE FORM																	
P-104	NM			875.40			NO SAMPLE FORM																	
MW-106	NM			878.75			NO SAMPLE FORM																	
P-106	NM			878.80			NO SAMPLE FORM																	
MW-107	NM			871.69			NO SAMPLE FORM																	
P-107	NM			871.33			NO SAMPLE FORM																	
P-107D	09/27/22	9:50	53.74	871.90	818.16		P-107D-202209	09/27/22	10:30	53.74	7.03	495.80	10.92	21.68	101.2	no	no	0.65	NONE	YES	no	no		
MW-108	NM			845.08			NO SAMPLE FORM																	
P-108	NM			845.48			NO SAMPLE FORM																	
MW-111	NM			856.09			NO SAMPLE FORM																	
P-111	NM			856.28			NO SAMPLE FORM																	
P-111D	09/27/22	13:05	36.32	855.56	819.24		P-111D-202209	09/27/22	13:50	36.32	7.23	665.60	10.40	2.31	-18.0	no	ght non-petro od	0.37	NONE	YES	no	no		
MW-112	09/27/22	11:43	54.56	874.70	820.14		MW-112-202209	09/27/22	11:54	54.56	5.89	901.99	12.75	5.67	116.4	no	no		NONE	YES	no	no		
P-113A	09/28/22	12:45	16.62	833.16	816.54		P-113A-202209	09/28/22	13:30	16.62	7.55	428.40	11.06	4.52	36.8	no	no	1.43	NONE	YES	no	no		
P-113B	09/28/22	12:46	15.40	833.16	817.76		P-113B-202209	09/28/22	14:10	15.40	7.46	526.50	11.29	2.03	23.1	no	no	1.79	NONE	YES	no	no		
P-114	09/28/22	10:30	21.01	839.36	818.35		P-114-202209	09/28/22	11:10	21.01	7.35	600.80	10.74	1.62	19.9	no	no	0.35	NONE	YES	no	no		
P-115	09/28/22	9:15	24.20	842.67	818.47		P-115-202209	09/28/22	10:05	24.20	7.19	477.00	10.39	2.13	30.6	no	no	3.19	NONE	YES	no	no		02
P-116	09/28/22	11:30	28.05	845.86	817.81		P-116-202209	09/28/22	12:10	28.05	7.62	414.50	11.47	2.14	65.2	no	no	2.44	NONE	YES	no	no		
P-117	09/27/22	16:26	16.70	833.96	817.26		P-117-202209	09/27/22	17:10	16.70	7.21	593.90	10.64	3.12	-52.5	no	no	0.50	NONE	YES	no	no		01
P-118	09/27/22	17:30	9.60	826.74	817.14		P-118-202209	09/27/22	18:15	9.60	7.36	482.90	10.98	3.39	3.7	no	no	0.80	NONE	YES	no	no		
MW-3A	09/27/22	14:13	33.76	850.60	816.84		MW-3A-202209	09/27/22	14:45	33.76	7.31	428.10	9.92	2.20	38.7	no	ght non-petro od	0.30	NONE	YES	no	no		
MW-3B	09/27/22	14:15	31.64	850.89	819.25		MW-3B-202209	09/27/22	15:55	31.64	7.41	504.80	9.89	2.75	-84.6	slightly gray	yes	0.40	NONE	YES	no	no		
Rohde	NM						NO SAMPLE FORM																	

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: 9/27/22
METHOD: Standard Calibration Gases
PRESSURE INSTRUMENT: Dwyer Manometer
Dwyer Anemometer

DATE: 9/27/22
START TIME: 7:15
END TIME: 9:49
WEATHER CONDITIONS: Clear
TEMPERATURE: 45 (°F)
BAROMETRIC PRESSURE: 30.09 (in. Hg)
BAROMETRIC Pr. TREND: rising
GROUND CONDITIONS: moist
WATER LEVEL IN KNOCKOUT TANK 4.14 (ft) (Fall

26.5 (AMS)

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	7:15	NA	NA	NA	NA	0.0	0.0	0.0	20.8	NA	NA	NA	NA	NA	NA	
LC-1	7:39	-6.17	-1.22			>5	22.6	19.6	6.1	~~7.5~~ 1.5/12	.5/12	WM	-0.74			
LC-2	7:30	-5.54	-3.33			>5	43.1	~~25.5~~	2.2	~~1.5~~ 1/12	2/12	NM	-5.46			
LC-3	7:34	-6.04	-5.08			>5	30.1	23.9	3.1	.75/12	~~.75~~/12					
GV-6	7:45	-5.29	-0.03			39	1.9	9.4	10.8	.5/12	.5/12					
GV-4	7:49	-6.23	-0.04	↓	↓	2	0.1	0.2	20.5	0/12	0/12					
GP-1	7:16	NA	0.0	NA	NA	0.0	0.0	12.9	4.7	NA	NA	NA	NA	NA	NA	
GP-~~2~~ 2 9:49	~~8:44~~	NA	0.0	NA	NA	0.0	0.0	0.0	20.8	NA	NA	NA	NA	NA	NA	
9/27/22 GP-~~2~~ 1 8:44	9:49	NA	0.0	NA	NA	0.0	0.0	12.5	4.4	NA	NA	NA	NA	NA	NA	
BLOWER INLET	7:18	-12.05	NA	NA	NA	22	1.1	1.4	19.6				NA	NA	NA	
DILUTION VALVE	7:21	-4.44	NA	↓	↓	0.0	0.0	0.0	20.8	4/12	/12		NA			
EXHAUST	7:24	-0.29	NA	NA	NA	24	1.2	1.4	19.5	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

Checked By: A.Stehn

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

Technician(s): John Roelke

Date: 9/27/22
Start Time: 8:44
End Time: 10:45

Gas/Instrument Type: GEM 2000
Serial No.: 11668
Date Last Calibrated: 9/27/22
Method: Standard Calibration Gases or Other
Pressure Instrument: Dwyer Manometer or other

Gas Probe	Time	Pwell (in.H_20)	Methane (% LEL)	Methane (% by Vol.)	Carbon Dioxide (% by Vol.)	Oxygen (% by Vol.)	Notes
GP-1	8:44	0.0	0.0	0.0	12.5	4.4	
GP-2	9:49	0.0	0.0	0.0	0.0	20.8	
GP-2	NM					↓	
GP-2	↓					↓	
GP-3	9:56	0.0	0.0	0.0	0.0	20.8	
GP-4	10:10	0.0	0.0	0.0	0.5	20.3	
GP-5	9:03	0.0	0.0	0.0	7.4	14.0	
GP-6	10:23	0.0	0.0	0.0	0.5	20.3	
GP-7	10:19	0.0	0.0	0.0	0.0	20.8	
GP-8							
GP-10	9:22	0.0	0.0	0.0	0.0	20.8	
GP-11	9:35	0.0	0.0	0.0	2.3	19.8	
GP-12	9:16	0.0	0.0	0.0	3.3	17.7	
MW-101	9:41	0.0	0.0	0.0	0.2	20.6	
MW-102	9:06	0.0	0.0	0.0	3.1	16.7	
MW-103	10:06	Open to ATM	0.0	0.0	0.0	20.8	
MW-104	10:45	Open to ATM	0.0	0.0	0.0	20.8	

Checked By. A.Stehn

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).

PROJECT NAME:	Ripon FF/NN Landfill
PROJECT NUMBER:	472213
PROJECT MANAGER:	Andy Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	12/14/2022 TO 12/15/2022
PURPOSE OF FIELDWORK:	Quarterly Sampling
WORK PERFORMED BY:	Wesley Braga

	1/25/22		
SIGNED	DATE	CHECKED BY	DATE

GENERAL NOTES

PROJECT NAME: Ripon FF/NN Landfill	DATE: 12/14/2022	TIME ARRIVED: 9:30
PROJECT NUMBER: 472213	AUTHOR: W.Braga	TIME LEFT: 17:20

WEATHER		
TEMPERATURE: 30 °F	WIND: 5-15 MPH	VISIBILITY: Rain/snow

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

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS

Wesley J Braga 1/25/22

SIGNED DATE CHECKED BY DATE

GENERAL NOTES

PROJECT NAME: Ripon FF/NN Landfill	DATE: 12/15/2022	TIME ARRIVED: 8:45
PROJECT NUMBER: 472213	AUTHOR: W.Braga	TIME LEFT: 16:00

WEATHER		
TEMPERATURE: 10-20 °F	WIND: 0-5 MPH	VISIBILITY: clear

WORK / SAMPLING PERFORMED
Sampled wells: P-103D, P-113A, P-113B, P-114, P-115, P-116.
Dumped purge water at water treatment plant.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS

1/25/22

SIGNED DATE CHECKED BY DATE

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: Ripon FF/NN Landfill	MANUF: InSitu	MODEL: AquaTROLL 400	SAMPLER: WB
PROJECT NO.: 472213	OWNER: TRC	SER #: 822478	DATE: 12/14/22 - 12/15/22

PH METER

CALIBRATION			POST SAMPLING CALIBRATION CHECK			
pH 4	pH 7	TIME	pH 4	pH 7	TIME	DATE
☑ WITHIN RANGE	☑ WITHIN RANGE	11:05	4.15	7.14	17:10	12/14/22
☑ WITHIN RANGE	☑ WITHIN RANGE	9:30	4.41	7.25	15:43	12/15/22
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					

CONDUCTIVITY METER

CALIBRATION			POST SAMPLING CALIBRATION CHECK			
STANDARD		TIME	CHECK	TEMP	TIME	DATE
4490 µS/cm	☑ WITHIN RANGE	11:00	4584 µS/cm	15.07 °C	17:12	12/14/22
4490 µS/cm	☑ WITHIN RANGE	9:25	4584 µS/cm	16.04 °C	15:51	12/15/22
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		
µS/cm	☐ WITHIN RANGE		µS/cm	°C		

DO METER

CALIBRATION	TIME	CALIBRATION	TIME	DATE
☑ WITHIN RANGE	10:45	☑ WITHIN RANGE	17:05	12/14/22
☑ WITHIN RANGE	9:15	☑ WITHIN RANGE	15:35	12/15/22
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		

ORP METER

CALIBRATION	TIME	POST SAMPLING CALIBRATION CHECK			
		CHECK	TEMP	TIME	DATE
☑ WITHIN RANGE	10:50	223.5 mV	13.03 °C	17:08	12/14/22
☑ WITHIN RANGE	9:20	217.5 mV	8.24 °C	15:40	12/15/22
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		

TURBIDITY CALIBRATION CHECK

METER TYPE: Hach 2100P

PRE-SAMPLING CALIBRATION CHECK				POST SAMPLING CALIBRATION CHECK				
GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	DATE
OK	OK	OK	11:10	OK	OK	OK	17:15	12/14/22
Ok	OK	OK	9:27	OK	OK	OK	15:58	12/15/22

Autocal Solution Lot#:	2GD1132	Exp Date:	Apr-23
pH 7 Soultion Lot#:	2GB709	Exp Date:	Feb-24
ORP Solution Lot#:	22F100031	Exp Date:	Jun-27

Parameters Calibrated: ☑ pH ☑ Conductivity ☑ Turbidity ☑ ORP ☑ Dissolved Oxygen

NOTES

DATE	PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

1/25/22

SIGNED DATE

Checked DATE

WATER LEVEL DATA

PROJECT NAME:	Ripon FF/NN Landfill	DATE:	12/14/22
PROJECT NUMBER:	472213	AUTHOR:	WB/JR

WELL LOCATION	DATE MEASURED	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	PRODUCT THICKNESS (IN)	WATER ELEVATION
MW-3A	12/14/22	11:57	850.60	31.31	NM	--	None	819.29
MW-3B	12/14/22	11:55	850.89	32.42	NM	--	None	818.47
P-103D	12/14/22	11:10	872.91	51.39	NM	--	None	821.52
P-107D	12/14/22	10:50	871.90	54.32	NM	--	None	817.58
P-111D	12/14/22	11:01	855.56	36.29	NM	--	None	819.27
P-113A	12/14/22	10:30	833.16	15.24	NM	--	None	817.92
P-113B	12/14/22	10:33	833.16	14.71	NM	--	None	818.45
P-114	12/14/22	10:55	839.36	20.89	NM	--	None	818.47
P-115	12/14/22	10:41	842.67	24.14	NM	--	None	818.53
P-116	12/14/22	10:50	845.86	27.96	NM	--	None	817.90
P-117	12/14/22	12:25	833.96	16.79	NM	--	None	817.17
P-118	12/14/22	12:31	826.74	9.63	NM	--	None	817.11

1/25/22

SIGNED DATE CHECKED DATE

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/14/22**	BY:	DATE:
WELL ID:	**MW-3A**	UNIQUE SAMPLE ID: MW-3A-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **15:46**	DATE: **12/14/22**	SAMPLE:	TIME: **16:11**	DATE: **12/14/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.36** SU	CONDUCTIVITY: **690.7**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.26** mg/l	ORP: **-45.7**	mV
DEPTH TO WATER:	**31.31** T/ PVC		TURBIDITY: **0.6** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **8.38** °C	OTHER:	**--**
VOLUME REMOVED:	**6.3** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
15:46	250	8.20	516.4	2.22	7.66	-33.5	NR	31.31	0.0
15:51	250	8.37	684.3	0.34	7.46	-79.0	2	31.35	1.3
15:56	250	8.39	699.6	0.30	7.40	-68.3	0.5	31.35	2.5
16:01	250	8.42	697.1	0.29	7.38	-54.8	0.8	31.35	3.8
16:06	250	8.42	694.4	0.27	7.37	-49.3	0.5	31.35	5.0
16:11	250	8.38	690.7	0.26	7.36	-45.7	0.6	31.35	6.3

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:	
	SIGNATURE:	DATE SIGNED: 1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/14/22**	BY:	DATE:
WELL ID:	**MW-3B**	UNIQUE SAMPLE ID: MW-3B-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **16:24**	DATE: **12/14/22**	SAMPLE:	TIME: **16:49**	DATE: **12/14/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.44** SU	CONDUCTIVITY: **560.2**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.13** mg/l	ORP: **-10.5**	mV
DEPTH TO WATER:	**32.42** T/ PVC		TURBIDITY: **1.3** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **9.09** °C	OTHER:	**--**
VOLUME REMOVED:	**5.0** ☑ LITERS ☐ GALLONS		COLOR: **Gray**	ODOR:	**Sulfer**
COLOR:	**Gray** ODOR: **Sulfer**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **Gray**	FILT ODOR:	**Sulfer**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
16:24	200	6.71	1.4	11.65	7.62	23.5	NR	32.42	0.0
16:24	200	6.69	1.4	11.64	7.63	12.4	1.2	32.56	0.0
16:29	200	5.65	341.2	11.92	7.82	-13.9	1.4	32.56	1.0
16:34	200	8.01	551.2	2.55	7.64	-23.9	1.6	32.56	2.0
16:39	200	8.99	560.2	0.25	7.53	-7.5	1.5	32.56	3.0
16:44	200	9.07	559.9	0.16	7.47	-15.0	1.4	32.56	4.0
16:49	200	9.09	560.2	0.13	7.44	-10.5	1.3	32.56	5.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:		
	SIGNATURE:	DATE SIGNED:	1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/15/22**	BY:	DATE:
WELL ID:	**P-103D**	UNIQUE SAMPLE ID: P-103D-202212		WELL DIAMETER:	2 in

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

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

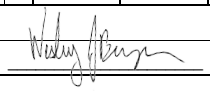
PURGING	TIME: **9:32**	DATE: **12/15/22**	SAMPLE:	TIME: **10:07**	DATE: **12/15/22**

PUMP TYPE:	BLADDER PUMP (Dedicated)	PH: **6.68** SU	CONDUCTIVITY: **828.2** umhos/cm
STABILIZATION CRITERIA:	TRC SOP	DO: **0.33** mg/l	ORP: **58.1** mV
DEPTH TO WATER:	**51.39** T/ PVC	TURBIDITY: **1.8** NTU	
DEPTH TO BOTTOM:	**NM** T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS	TEMPERATURE: **9.27** °C	OTHER: **--**
VOLUME REMOVED:	**10.5** ☑ LITERS ☐ GALLONS	COLOR: **None**	ODOR: **None**
COLOR:	**None** ODOR: **None**	FILTRATE (0.45 um) ☑ YES ☐ NO	
TURBIDITY		FILT COLOR: **None**	FILT ODOR: **None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD ☑ DUP- 01	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt		COMMENTS:	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
9:32	300	10.08	771.2	10.36	5.69	122.0	NR	51.39	0.0
9:37	300	9.36	825.4	3.10	6.57	113.3	1.2	51.48	1.5
9:42	300	9.18	834.1	0.94	6.50	96.3	1.6	51.48	3.0
9:47	300	9.18	834.5	0.52	6.50	85.4	1.9	51.48	4.5
9:52	300	9.23	833.7	0.41	6.54	77.0	1.5	51.48	6.0
9:57	300	9.23	830.5	0.36	6.59	70.1	1.2	51.48	7.5
10:02	300	9.25	832.0	0.34	6.64	63.7	1.3	51.48	9.0
10:07	300	9.27	828.2	0.33	6.68	58.1	1.8	51.48	10.5

BOTTLES FILLED

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
8	40 mL	VOA	HCL	☐ Y ☑ N	2	125 mL	CLR PLST	None	☐ Y ☑ N
2	250 mL	CLR PLST	HNO3	☑ Y ☐ N					☐ Y ☐ N
2	250 mL	CLR PLST	H2SO4	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED:	
	SIGNATURE: 	DATE SIGNED: 1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/14/22**	BY:	DATE:
WELL ID:	**P-107D**	UNIQUE SAMPLE ID: P-107D-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **11:23**	DATE: **12/14/22**	SAMPLE:	TIME: **11:53**	DATE: **12/14/22**

PUMP TYPE:	BLADDER PUMP (Dedicated)	PH: **7.14** SU	CONDUCTIVITY: **602.0** umhos/cm
STABILIZATION CRITERIA:	TRC SOP	DO: **3.47** mg/l	ORP: **95.9** mV
DEPTH TO WATER:	**54.32** T/ PVC	TURBIDITY: **2.1** NTU	
DEPTH TO BOTTOM:	**NM** T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS	TEMPERATURE: **8.47** °C	OTHER: **--**
VOLUME REMOVED:	**9.0** ☑ LITERS ☐ GALLONS	COLOR: **None**	ODOR: **None**
COLOR:	**None** ODOR: **None**	FILTRATE (0.45 um) ☑ YES ☐ NO	
TURBIDITY		FILT COLOR: **None**	FILT ODOR: **None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD ☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt		COMMENTS:	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:23	300	7.67	612.9	4.72	6.58	114.3	NR	54.32	0.0
11:28	300	7.79	612.9	4.37	6.79	109.3	2.4	54.38	1.5
11:33	300	7.99	595.3	4.11	6.92	103.3	2.6	54.38	3.0
11:38	300	8.18	579.7	3.96	7.01	101.0	2.7	54.38	4.5
11:43	300	8.30	589.1	3.83	7.05	99.3	2.4	54.38	6.0
11:48	300	8.30	600.7	3.56	7.10	97.1	2.6	54.38	7.5
11:53	300	8.47	602.0	3.47	7.14	95.9	2.1	54.38	9.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:	
	SIGNATURE:	DATE SIGNED: 1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/14/22**	BY:	DATE:
WELL ID:	**P-111D**	UNIQUE SAMPLE ID: P-111D-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **12:29**	DATE: **12/14/22**	SAMPLE:	TIME: **13:04**	DATE: **12/14/22**

PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.10** SU	CONDUCTIVITY: **857.5** umhos/cm	
STABILIZATION CRITERIA: TRC SOP	DO: **0.20** mg/l	ORP: **33.3** mV	
DEPTH TO WATER: **36.89** T/ PVC	TURBIDITY: **2.1** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS	TEMPERATURE: **8.28** °C	OTHER: **--**	
VOLUME REMOVED: **7.0** ☑ LITERS ☐ GALLONS	COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**	FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY	FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt	COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
12:29	200	7.17	840.2	5.06	7.42	87.0	NR	36.89	0.0
12:34	200	8.08	854.5	0.69	7.21	69.8	2.4	36.95	1.0
12:39	200	8.18	854.3	0.39	7.15	61.1	2.3	36.95	2.0
12:44	200	8.27	853.0	0.31	7.12	54.2	2.8	36.95	3.0
12:49	200	8.18	853.4	0.26	7.10	48.1	2.4	36.95	4.0
12:54	200	8.19	855.2	0.23	7.10	42.3	2.6	36.95	5.0
12:59	200	8.18	856.0	0.21	7.10	37.5	2.4	36.95	6.0
13:04	200	8.28	857.5	0.20	7.10	33.3	2.1	36.95	7.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:	
	SIGNATURE:	DATE SIGNED: 1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**		PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY:	**WB**	DATE: **12/15/22**	BY:	DATE:
WELL ID:	**P-113A**	UNIQUE SAMPLE ID:	P-113A-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **11:01**	DATE: **12/15/22**	SAMPLE:	TIME: **11:21**	DATE: **12/15/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.39** SU	CONDUCTIVITY: **586.7**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.37** mg/l	ORP: **25.7**	mV
DEPTH TO WATER:	**15.24** T/ PVC		TURBIDITY: **2.3** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **9.28** °C	OTHER:	**--**
VOLUME REMOVED:	**6.0** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:01	300	5.55	465.7	11.23	7.47	25.2	NR	15.24	0.0
11:06	300	9.18	585.0	2.29	7.44	26.9	3.9	15.34	1.5
11:11	300	9.23	583.8	0.66	7.42	26.8	2.4	15.35	3.0
11:16	300	9.26	584.9	0.41	7.40	26.0	2.1	15.35	4.5
11:21	300	9.28	586.7	0.37	7.39	25.7	2.3	15.35	6.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:	
	SIGNATURE:	DATE SIGNED: 1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/15/22**	BY:	DATE:
WELL ID:	**P-113B**	UNIQUE SAMPLE ID: P-113B-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **11:46**	DATE: **12/15/22**	SAMPLE:	TIME: **12:06**	DATE: **12/15/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.26** SU	CONDUCTIVITY: **719.4**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.07** mg/l	ORP: **-13.5**	mV
DEPTH TO WATER:	**14.71** T/ PVC		TURBIDITY: **1.2** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **9.98** °C	OTHER:	**--**
VOLUME REMOVED:	**5.0** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
11:46	250	9.70	721.3	1.47	7.44	18.1	NR	14.71	0.0
11:51	250	9.98	720.6	0.11	7.34	7.7	2.8	14.89	1.3
11:56	250	9.98	719.4	0.08	7.29	-0.5	1.5	14.89	2.5
12:01	250	9.98	719.9	0.07	7.27	-7.2	1.6	14.89	3.8
12:06	250	9.98	719.4	0.07	7.26	-13.5	1.2	14.89	5.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:		
	SIGNATURE:	DATE SIGNED:	1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**		PREPARED			CHECKED	
PROJECT NUMBER:	**472213**	BY:	**WB**	DATE:	**12/15/22**	BY:	DATE:
WELL ID:	**P-114**	UNIQUE SAMPLE ID:	P-114-202212			WELL DIAMETER:	2 in
WELL MATERIAL:	☑ PVC ☐ SS ☐ GS ☐ IRON					☐ OTHER:	
SAMPLE TYPE:	☑ GW ☐ WW ☐ SW ☐ DI		☐ LEACHATE			☐ OTHER:	
PURGING	TIME: **14:44**	DATE:	**12/15/22**	SAMPLE:	TIME: **15:09**	DATE:	**12/15/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)			PH: **7.44** SU		CONDUCTIVITY: **838.5**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP			DO: **0.14** mg/l		ORP: **-32.8**	mV
DEPTH TO WATER:	**20.89** T/ PVC			TURBIDITY: **2.9** NTU			
DEPTH TO BOTTOM:	**NM** T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS			TEMPERATURE: **9.46** °C		OTHER:	**--**
VOLUME REMOVED:	**7.5** ☑ LITERS ☐ GALLONS			COLOR: **None**		ODOR:	**None**
COLOR:	**None** ODOR: **Sulfer**			FILTRATE (0.45 um) ☑ YES ☐ NO			
TURBIDITY				FILT COLOR: **None**		FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY				QC SAMPLE: ☐ MS/MSD ☐ DUP-			
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS: Insitu file labeled as 115 sample time 10:30			

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
14:44	300	9.14	836.6	3.03	7.68	10.9	NR	20.89	0.0
14:49	300	9.51	833.7	0.39	7.58	-7.8	3.2	20.95	1.5
14:54	300	9.51	840.1	0.23	7.53	-17.3	3.6	20.96	3.0
14:59	300	9.51	840.5	0.18	7.49	-22.9	3.4	20.96	4.5
15:04	300	9.47	839.8	0.16	7.47	-28.3	3.7	20.96	6.0
15:09	300	9.46	838.5	0.14	7.44	-32.8	2.9	20.96	7.5

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:		
	SIGNATURE:	DATE SIGNED:	1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/15/22**	BY:	DATE:
WELL ID:	**P-115**	UNIQUE SAMPLE ID: P-115-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **12:42**	DATE: **12/15/22**	SAMPLE:	TIME: **13:02**	DATE: **12/15/22**

PUMP TYPE: BLADDER PUMP (Dedicated)	PH: **7.41** SU	CONDUCTIVITY: **664.1** umhos/cm	
STABILIZATION CRITERIA: TRC SOP	DO: **0.11** mg/l	ORP: **-25.5** mV	
DEPTH TO WATER: **24.14** T/ PVC	TURBIDITY: **2.1** NTU		
DEPTH TO BOTTOM: **NM** T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: **--** ☑ LITERS ☐ GALLONS	TEMPERATURE: **9.80** °C	OTHER: **--**	
VOLUME REMOVED: **6.0** ☑ LITERS ☐ GALLONS	COLOR: **None**	ODOR: **None**	
COLOR: **None** ODOR: **None**	FILTRATE (0.45 um) ☑ YES	☐ NO	
TURBIDITY	FILT COLOR: **None**	FILT ODOR: **None**	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt	COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
12:42	300	9.79	661.6	1.01	7.59	-3.7	NR	24.14	0.0
12:47	300	9.76	666.9	0.21	7.52	-13.0	2.4	24.23	1.5
12:52	300	9.82	665.7	0.14	7.46	-18.4	2.7	24.23	3.0
12:57	300	9.85	665.2	0.12	7.43	-22.2	2.3	24.23	4.5
13:02	300	9.80	664.1	0.11	7.41	-25.5	2.1	24.23	6.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:	
	SIGNATURE:	DATE SIGNED: 1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**		PREPARED		CHECKED		
PROJECT NUMBER:	**472213**	BY:	**WB**	DATE: **12/15/22**	BY:	DATE:	
WELL ID:	**P-116**	UNIQUE SAMPLE ID:	P-116-202212		WELL DIAMETER:	2	in

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

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

PURGING	TIME: **13:42**	DATE: **12/15/22**	SAMPLE:	TIME: **14:02**	DATE: **12/15/22**		
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.63**	SU	CONDUCTIVITY: **559.8**	umhos/cm	
STABILIZATION CRITERIA:	TRC SOP		DO: **0.34**	mg/l	ORP: **-4.2**	mV	
DEPTH TO WATER:	**27.96** T/ PVC		TURBIDITY: **19.9** NTU				
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY				
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **8.75** °C		OTHER: **--**		
VOLUME REMOVED:	**5.0** ☑ LITERS ☐ GALLONS		COLOR: **None**		ODOR: **None**		
COLOR:	**Brown** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO				
TURBIDITY			FILT COLOR: **None**		FILT ODOR: **None**		
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-				
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:				

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
13:42	250	8.38	570.2	6.80	7.69	-12.4	NR	27.96	0.0
13:47	250	9.51	562.4	0.79	7.65	-8.2	23.1	28.03	1.3
13:52	250	9.32	560.9	0.40	7.63	-7.0	21.2	28.04	2.5
13:57	250	9.13	560.5	0.34	7.63	-5.6	20.1	28.05	3.8
14:02	250	8.75	559.8	0.34	7.63	-4.2	19.9	28.05	5.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:		
	SIGNATURE:	DATE SIGNED:	1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**		PREPARED			CHECKED	
PROJECT NUMBER:	**472213**	BY:	**WB**	DATE:	**12/14/22**	BY:	DATE:
WELL ID:	**P-117**	UNIQUE SAMPLE ID:	P-117-202212			WELL DIAMETER:	2 in

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

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

PURGING	TIME: **14:52**	DATE: **12/14/22**	SAMPLE:	TIME: **15:12**	DATE: **12/14/22**

PUMP TYPE:	BLADDER PUMP (Dedicated)	PH: **7.16** SU	CONDUCTIVITY: **763.3** umhos/cm
STABILIZATION CRITERIA:	TRC SOP	DO: **0.28** mg/l	ORP: **-0.7** mV
DEPTH TO WATER:	**16.79** T/ PVC	TURBIDITY: **1.0** NTU	
DEPTH TO BOTTOM:	**NM** T/ PVC	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS	TEMPERATURE: **10.15** °C	OTHER: **--**
VOLUME REMOVED:	**4.0** ☑ LITERS ☐ GALLONS	COLOR: **None**	ODOR: **None**
COLOR:	**None** ODOR: **None**	FILTRATE (0.45 um) ☑ YES ☐ NO	
TURBIDITY		FILT COLOR: **None**	FILT ODOR: **None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD ☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt		COMMENTS:	

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
14:52	200	8.58	780.4	7.18	7.58	12.6	NR	16.79	0.0
14:57	200	10.09	765.5	0.84	7.40	6.2	1	16.81	1.0
15:02	200	10.14	763.5	0.38	7.25	3.5	1.2	16.81	2.0
15:07	200	10.17	763.1	0.31	7.19	1.3	1.1	16.81	3.0
15:12	200	10.15	763.3	0.28	7.16	-0.7	1	16.81	4.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:		
	SIGNATURE:	DATE SIGNED:	1/25/22

LOW-FLOW WATER SAMPLE LOG

PROJECT NAME:	**Ripon FF/NN Landfill**	PREPARED		CHECKED	
PROJECT NUMBER:	**472213**	BY: **WB**	DATE: **12/14/22**	BY:	DATE:
WELL ID:	**P-118**	UNIQUE SAMPLE ID: P-118-202212		WELL DIAMETER:	2 in

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

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

PURGING	TIME: **13:55**	DATE: **12/14/22**	SAMPLE:	TIME: **14:15**	DATE: **12/14/22**
PUMP TYPE:	BLADDER PUMP (Dedicated)		PH: **7.30** SU	CONDUCTIVITY: **618.1**	umhos/cm
STABILIZATION CRITERIA:	TRC SOP		DO: **0.27** mg/l	ORP: **0.7**	mV
DEPTH TO WATER:	**9.63** T/ PVC		TURBIDITY: **1.1** NTU		
DEPTH TO BOTTOM:	**NM** T/ PVC		☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	**--** ☑ LITERS ☐ GALLONS		TEMPERATURE: **10.11** °C	OTHER:	**--**
VOLUME REMOVED:	**4.0** ☑ LITERS ☐ GALLONS		COLOR: **None**	ODOR:	**None**
COLOR:	**None** ODOR: **None**		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: **None**	FILT ODOR:	**None**
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ Wtr Trtmt Plnt			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)
	Stabilization Criteria								
	100 mL/min-500 mL/min	None	3%	0.2 mg/L or 10% (whichever is >)	±0.1	None	10% if >5 NTU	Appx. 0.3 ft	
13:55	200	5.36	498.3	11.62	7.63	7.1	NR	9.63	0.0
14:00	200	9.91	622.8	1.12	7.48	12.2	1.5	9.71	1.0
14:05	200	10.08	622.4	0.39	7.38	8.4	1.2	9.71	2.0
14:10	200	10.08	619.4	0.31	7.33	4.5	1.6	9.71	3.0
14:15	200	10.11	618.1	0.27	7.30	0.7	1.1	9.71	4.0

BOTTLES FILLED

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

SHIPPING METHOD: FedEx	DATE SHIPPED:		
	SIGNATURE:	DATE SIGNED:	1/25/22

GROUNDWATER SUMMARY SHEET

PROJECT NAME	Ripon FF/NN Landfill	**SAMPLERS**	Wesley Braga
PROJECT NUMBER	472213	**SAMPLE DATES**	12/14/2022 - 12/15/2022

	GROUNDWATER ELEVATION SHEET SUMMARY						FIELD SAMPLE INFORMATION																
WELL ID	DEPTH TO WATER DATE	DEPTH TO WATER TIME	DEPTH TO WATER (GWEL SHEET)	REFERANCE ELEVATION	GROUNDWATER ELEVATION (GWEL SHEET)	PRODUCT THICKNESS	UNIQUE SAMPLE ID	SAMPLE DATE	SAMPLE TIME	DTW (PRIOR TO PURGE)	pH	SPECIFIC COND	TEMP	DO	ORP	COLOR	ODOR	TURB (NTU)	TURB (Description)	Filtered	Filter Color	Filter Odor	MS/MSD	Duplicate
MW-3A	12/14/22	11:57	31.31	850.60	819.29	None	MW-3A-202212	12/14/22	16:11	31.31	7.36	690.70	8.38	0.26	-45.7	None	None	0.60	NONE	YES	None	None		
MW-3B	12/14/22	11:55	32.42	850.89	818.47	None	MW-3B-202212	12/14/22	16:49	32.42	7.44	560.20	9.09	0.13	-10.5	Gray	Sulfer	1.30	NONE	YES	Gray	Sulfer		
P-103D	12/14/22	11:10	51.39	872.91	821.52	None	P-103D-202212	12/15/22	10:07	51.39	6.68	828.20	9.27	0.33	58.1	None	None	1.80	NONE	YES	None	None		01
P-107D	12/14/22	10:50	54.32	871.90	817.58	None	P-107D-202212	12/14/22	11:53	54.32	7.14	602.00	8.47	3.47	95.9	None	None	2.10	NONE	YES	None	None		
P-111D	12/14/22	11:01	36.29	855.56	819.27	None	P-111D-202212	12/14/22	13:04	36.89	7.10	857.50	8.28	0.20	33.3	None	None	2.10	NONE	YES	None	None		
P-113A	12/14/22	10:30	15.24	833.16	817.92	None	P-113A-202212	12/15/22	11:21	15.24	7.39	586.70	9.28	0.37	25.7	None	None	2.30	NONE	YES	None	None		
P-113B	12/14/22	10:33	14.71	833.16	818.45	None	P-113B-202212	12/15/22	12:06	14.71	7.26	719.40	9.98	0.07	-13.5	None	None	1.20	NONE	YES	None	None		
P-114	12/14/22	10:55	20.89	839.36	818.47	None	P-114-202212	12/15/22	15:09	20.89	7.44	838.50	9.46	0.14	-32.8	None	None	2.90	NONE	YES	None	None		
P-115	12/14/22	10:41	24.14	842.67	818.53	None	P-115-202212	12/15/22	13:02	24.14	7.41	664.10	9.80	0.11	-25.5	None	None	2.10	NONE	YES	None	None		
P-116	12/14/22	10:50	27.96	845.86	817.90	None	P-116-202212	12/15/22	14:02	27.96	7.63	559.80	8.75	0.34	-4.2	None	None	19.90	NONE	YES	None	None		
P-117	12/14/22	12:25	16.79	833.96	817.17	None	P-117-202212	12/14/22	15:12	16.79	7.16	763.30	10.15	0.28	-0.7	None	None	1.00	NONE	YES	None	None		
P-118	12/14/22	12:31	9.63	826.74	817.11	None	P-118-202212	12/14/22	14:15	9.63	7.30	618.10	10.11	0.27	0.7	None	None	1.10	NONE	YES	None	None		

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

TECHNICIAN(S): J. Roelke

GAS/INSTRUMENT TYPE: GEM 2000
SERIAL NO.: 11668
DATE LAST CALIBRATED: 12/14/2022
METHOD: Standard Calibration Gases
PRESSURE INSTRUMENT: Dwyer Manometer
Dwyer Anemometer

DATE: 12/14/2022
START TIME: 11:24 AM
END TIME: 1:30 PM
WEATHER CONDITIONS: Light Rain
TEMPERATURE: 38 (^{0}F)
BAROMETRIC PRESSURE: 29.84 (in. Hg)
BAROMETRIC Pr. TREND: Falling
GROUND CONDITIONS: Saturated
WATER LEVEL IN KNOCKOUT TANK: Dry (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	11:27	NA	NA	NA	NA	0.0	0.0	0.0	20.8	NA	NA	NA	NA	NA	NA	
LC-1	12:06	-7.74	-0.89	NA	NA	>100	37.1	28.2	0.6	0.5/12	0.65/12	NA	-1.61	NA	NA	
LC-2	11:44	-7.31	-7.27	NA	NA	>100	48.6	28.6	1.5	2/12	3/12	NA	-7.29	NA	NA	
LC-3	11:53	-7.79	-6.51	NA	NA	>100	33.9	26.4	2.6	0.75/12	1/12	NA	-6.97	NA	NA	
GV-6	11:48	-7.30	-0.10	NA	NA	>100	22.4	20	2.0	0.5/12	0.5/12	NA	NA	NA	NA	
GV-4	12:20	-7.42	0.0	NA	NA	0.0	0.0	0	20.8	0/12	0/12	NA	NA	NA	NA	
GP-1	11:37	NA	0.0	NA	NA	0.0	0.0	6.5	9.0	NA	NA	NA	NA	NA	NA	
GP-1	12:30	NA	0.0	NA	NA	0.0	0.0	6.4	9.0	NA	NA	NA	NA	NA	NA	
GP-2	13:26	NA	0.0	NA	NA	0.0	0.0	1.8	18.3	NA	NA	NA	NA	NA	NA	
BLOWER INLET	11:29	-12.88	NA	NA	NA	62	3.1	2.5	18.9	NA	NA	NA	NA	NA	NA	
DILUTION VALVE	11:32	-4.97	NA	NA	NA	0.0	0.0	0	20.8	4/12	4/12	NA	NA	NA	NA	
EXHAUST	11:35	-0.30	NA	NA	NA	62	3.1	2.6	19.1	NA	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

Data Entry: A. Stehn 4/28/2023
Checked By: M. Holicky 4/28/2023

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

Technician(s):	J. Roelke	Date:	12/14/2022
		Start Time:	11:24
		End Time:	13:30

Gas/Instrument Type:	**GEM 2000**
Serial No.:	11668
Date Last Calibrated:	12/14/2022
Method:	Standard Calibration Gases or Other
Pressure Instrument:	Dwyer Manometer or other

Gas Probe	Time	Pwell (in. H_20)	Methane (% LEL)	Methane (% by Vol.)	Carbon Dioxide (% by Vol.)	Oxygen (% by Vol.)	Notes
GP-1	12:30	0.0	0.0	0.0	6.4	9.0	
GP-2	13:27	0.0	0.0	0.0	1.8	18.3	
GP-2	--	--	--	--	--	--	
GP-2	--	--	--	--	--	--	
GP-3	13:39	0.0	0.0	0.0	3.9	15.7	
GP-4	13:36	0.0	0.0	0.0	2.5	18.0	
GP-5	12:36	0.0	0.0	0.0	3.2	18.5	
GP-6	13:55	0.0	0.0	0.0	2.9	17.6	
GP-7	13:50	0.0	0.0	0.0	4.1	15.6	
GP-8							
GP-10	13:20	0.0	0.0	0.0	4.7	12.6	
GP-11	13:00	0.0	0.0	0.0	3.3	17.5	
GP-12	12:52	0.0	0.0	0.0	3.2	17.8	
MW-101	13:05	0.0	6.0	0.3	2.3	18.3	
MW-102	12:33	0.0	0.0	0.0	2.2	18.5	
MW-103	13:33	Open to ATM	0.0	0.0	0.4	20.1	
MW-104	11:59	Open to ATM	74.0	3.7	15.9	0.1	

Notes:
% LEL = Percent Lower Explosive Limit
% by Vol. = Percent by volume

Data Entry: A. Stehn 4/28/2023
Checked By: M. Holicky 4/28/2023

Footnotes:
(1) Gas reading greater than 100% LEL for methane (equivalent to >5% methane by volume).

Appendix B: Analytical Data

CT LABORATORIES

delivering more than data from your environmental analyses

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 #:172578):
All holding times, field qc, and lab qc met criteria, except as specified below.
DUP-01-202209 was collected at P-117
DUP-02-202209 was collected at P-115 (WIESE)
MS/MSD/LCS
Unspecified calibration criteria was not met for chloroethane; associated results are considered estimated, "j"
Carbon tetrachloride, tetrachloroethene : MS and/or MSD recovery above control limits; detected results considered estimated with a potential high bias, "j+"
BLANKS-
Sample detections <5x blank value were flagged as nondetect ('u') at the reported limit.
Analytes in trip blanks: tetrahydrofuran (1.4J), methylene chloride (0.24J)
Data has been reviewed per TRC data usability guidelines and is usable with the above notations.
P Popp, 10/18/2022

P-115 (WIESE)	%RPD
SULFATE, TOTAL	3
MANGANESE, DISSOLVI	0
CIS-1,2-DICHLOROETHE	15
VINYL CHLORIDE	0

P-117	%RPD
SULFATE, TOTAL	5
MANGANESE, DISSOLVI	0
BENZENE	4
CIS-1,2-DICHLOROETHE	8
TRICHLOROETHENE	7
VINYL CHLORIDE	1

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ANALYTICAL REPORT

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

Copy: astehn@trccompanies.com

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Project #: 472213
Folder #: 172578
Purchase Order #: 179575
Contract #: 3276

Arrival Temperature: 5.3
Report Date: 10/13/2022
Date Received: 9/29/2022
Reprint Date: 10/13/2022

CT LAB#: 1241867 Sample Description: P-107D-202209 License/Well #: 00467/119 Sampled: 9/27/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	33	mg/L	0.8	2.5	1			10/7/2022 14:51	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:32	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	185	ug/L	1.2	5.0	1			9/30/2022 03:32	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
1,1-Dichloroethane	0.024	ug/L	0.017 *	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/6/2022 23:03	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#: 1241867 Sample Description: P-107D-202209 License/Well #: 00467/119 Sampled: 9/27/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/6/2022 23:03	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/6/2022 23:03	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/6/2022 23:03	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/6/2022 23:03	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/6/2022 23:03	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/6/2022 23:03	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/6/2022 23:03	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Chloroethane	1.1	ug/L	0.40 *	1.5	1	Z		10/6/2022 23:03	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:03	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#: 1241867 Sample Description: P-107D-202209 License/Well #: 00467/119 Sampled: 9/27/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.9	ug/L	0.023	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Dichlorodifluoromethane	0.23	ug/L	0.091 *	0.30	1			10/6/2022 23:03	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/6/2022 23:03	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/6/2022 23:03	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Tetrahydrofuran	2.0	ug/L	0.38	2.0	1			10/6/2022 23:03	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
Trichloroethene	0.15	ug/L	0.022	0.10	1			10/6/2022 23:03	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#: 1241867 Sample Description: P-107D-202209 License/Well #: 00467/119 Sampled: 9/27/2022 10:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/6/2022 23:03	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/6/2022 23:03	RLD	EPA 8260C
Vinyl chloride	4.6	ug/L	0.019	0.10	1			10/6/2022 23:03	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			10/6/2022 23:03	RLD	EPA 8260C
Bromofluorobenzene	95.0	% Recovery	70.0	130	1			10/6/2022 23:03	RLD	EPA 8260C
d8-Toluene	102	% Recovery	70.0	130	1			10/6/2022 23:03	RLD	EPA 8260C
Dibromofluoromethane	106	% Recovery	70.0	130	1			10/6/2022 23:03	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#: 1241868 Sample Description: P-103-202209 License/Well #: 00467/114 Sampled: 9/27/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	51	mg/L	4.0	13	5			10/7/2022 15:34	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:33	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	73.0	ug/L	1.2	5.0	1			9/30/2022 03:53	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/6/2022 23:31	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/6/2022 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#: 1241868 Sample Description: P-103-202209 License/Well #: 00467/114 Sampled: 9/27/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/6/2022 23:31	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/6/2022 23:31	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/6/2022 23:31	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/6/2022 23:31	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/6/2022 23:31	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/6/2022 23:31	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1	M		10/6/2022 23:31	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/6/2022 23:31	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/6/2022 23:31	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/6/2022 23:31	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/6/2022 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#: 1241868 Sample Description: P-103-202209 License/Well #: 00467/114 Sampled: 9/27/2022 11:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/6/2022 23:31	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1	M		10/6/2022 23:31	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/6/2022 23:31	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/6/2022 23:31	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/6/2022 23:31	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/6/2022 23:31	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			10/6/2022 23:31	RLD	EPA 8260C
Bromofluorobenzene	91.0	% Recovery	70.0	130	1			10/6/2022 23:31	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/6/2022 23:31	RLD	EPA 8260C
Dibromofluoromethane	106	% Recovery	70.0	130	1			10/6/2022 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#: 1241869 Sample Description: P-103D-202209 License/Well #: 00467/141 Sampled: 9/27/2022 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	72	mg/L	4.0	13	5			10/7/2022 15:48	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:34	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	80.5	ug/L	1.2	5.0	1			9/30/2022 04:00	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 00:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:00	RLD	EPA 8260C

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

CT LAB#: 1241869 Sample Description: P-103D-202209 License/Well #: 00467/141 Sampled: 9/27/2022 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 00:00	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 00:00	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 00:00	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 00:00	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 00:00	RLD	EPA 8260C
Benzene	0.026	ug/L	0.022 *	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 00:00	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 00:00	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.23	ug/L	0.023	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 00:00	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 00:00	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 00:00	RLD	EPA 8260C

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

CT LAB#: 1241869 Sample Description: P-103D-202209 License/Well #: 00467/141 Sampled: 9/27/2022 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 00:00	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 00:00	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Trichloroethene	0.084	ug/L	0.022 *	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 00:00	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 00:00	RLD	EPA 8260C
Vinyl chloride	0.15	ug/L	0.019	0.10	1			10/7/2022 00:00	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			10/7/2022 00:00	RLD	EPA 8260C
Bromofluorobenzene	90.0	% Recovery	70.0	130	1			10/7/2022 00:00	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			10/7/2022 00:00	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			10/7/2022 00:00	RLD	EPA 8260C

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

CT LAB#: 1241870 Sample Description: MW-112-202209 License/Well #: 00467/121 Sampled: 9/27/2022 11:54

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	53	mg/L	4.0	13	5			10/7/2022 16:03	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	0.2	mg/L	0.05	0.2	1			9/30/2022 11:35	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	296	ug/L	1.2	5.0	1			9/30/2022 04:07	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 00:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:28	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#: 1241870 Sample Description: MW-112-202209 License/Well #: 00467/121 Sampled: 9/27/2022 11:54

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1			10/7/2022 00:28	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			10/7/2022 00:28	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			10/7/2022 00:28	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			10/7/2022 00:28	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84		4.0	1			10/7/2022 00:28	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			10/7/2022 00:28	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			10/7/2022 00:28	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			10/7/2022 00:28	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			10/7/2022 00:28	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1	Z		10/7/2022 00:28	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			10/7/2022 00:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.042	ug/L	0.023	*	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			10/7/2022 00:28	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			10/7/2022 00:28	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			10/7/2022 00:28	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#: 1241870 Sample Description: MW-112-202209 License/Well #: 00467/121 Sampled: 9/27/2022 11:54

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 00:28	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 00:28	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Trichloroethene	0.085	ug/L	0.022 *	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 00:28	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 00:28	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/7/2022 00:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	70.0	130	1			10/7/2022 00:28	RLD	EPA 8260C
Bromofluorobenzene	90.0	% Recovery	70.0	130	1			10/7/2022 00:28	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			10/7/2022 00:28	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			10/7/2022 00:28	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#: 1241871 Sample Description: MW-103-202209 License/Well #: 00467/112 Sampled: 9/27/2022 12:38

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	81	mg/L	4.0	13	5			10/7/2022 16:17	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	13	mg/L	0.10	0.4	2			9/30/2022 12:30	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	<1.2	ug/L	1.2	5.0	1			9/30/2022 04:14	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 00:56	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 00:56	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#: 1241871 Sample Description: MW-103-202209 License/Well #: 00467/112 Sampled: 9/27/2022 12:38

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075		0.30	1			10/7/2022 00:56	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			10/7/2022 00:56	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			10/7/2022 00:56	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			10/7/2022 00:56	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84		4.0	1			10/7/2022 00:56	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			10/7/2022 00:56	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			10/7/2022 00:56	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			10/7/2022 00:56	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			10/7/2022 00:56	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1	Z		10/7/2022 00:56	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			10/7/2022 00:56	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.075	ug/L	0.023	*	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			10/7/2022 00:56	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			10/7/2022 00:56	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			10/7/2022 00:56	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#: 1241871 Sample Description: MW-103-202209 License/Well #: 00467/112 Sampled: 9/27/2022 12:38

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 00:56	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Tetrachloroethene	0.21	ug/L	0.028	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 00:56	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Trichloroethene	0.68	ug/L	0.022	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 00:56	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 00:56	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/7/2022 00:56	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			10/7/2022 00:56	RLD	EPA 8260C
Bromofluorobenzene	93.0	% Recovery	70.0	130	1			10/7/2022 00:56	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			10/7/2022 00:56	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			10/7/2022 00:56	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#: 1241872 Sample Description: P-111D-202209 License/Well #: 00467/130 Sampled: 9/27/2022 13:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	61	mg/L	4.0	13	5			10/7/2022 16:31	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:40	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	28.8	ug/L	1.2	5.0	1			9/30/2022 04:42	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 01:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 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#: 1241872 Sample Description: P-111D-202209 License/Well #: 00467/130 Sampled: 9/27/2022 13:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 01:24	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 01:24	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 01:24	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 01:24	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 01:24	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 01:24	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Chloroethane	0.51	ug/L	0.40 *	1.5	1	Z		10/7/2022 01:24	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.1	ug/L	0.023	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 01:24	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 01:24	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 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#: 1241872 Sample Description: P-111D-202209 License/Well #: 00467/130 Sampled: 9/27/2022 13:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 01:24	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 01:24	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 01:24	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 01:24	RLD	EPA 8260C
Vinyl chloride	2.7	ug/L	0.019	0.10	1			10/7/2022 01:24	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			10/7/2022 01:24	RLD	EPA 8260C
Bromofluorobenzene	90.0	% Recovery	70.0	130	1			10/7/2022 01:24	RLD	EPA 8260C
d8-Toluene	102	% Recovery	70.0	130	1			10/7/2022 01:24	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			10/7/2022 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#: 1241873 Sample Description: MW-3A-202209 License/Well #: 00467/133 Sampled: 9/27/2022 14:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	22	mg/L	0.8	2.5	1			10/7/2022 17:28	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:41	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	407	ug/L	1.2	5.0	1			9/30/2022 04:49	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 01:53	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 01:53	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#: 1241873 Sample Description: MW-3A-202209 License/Well #: 00467/133 Sampled: 9/27/2022 14:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 01:53	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 01:53	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 01:53	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 01:53	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 01:53	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 01:53	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 01:53	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 01:53	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 01:53	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 01:53	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#: 1241873 Sample Description: MW-3A-202209 License/Well #: 00467/133 Sampled: 9/27/2022 14:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 01:53	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 01:53	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 01:53	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 01:53	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/7/2022 01:53	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			10/7/2022 01:53	RLD	EPA 8260C
Bromofluorobenzene	92.0	% Recovery	70.0	130	1			10/7/2022 01:53	RLD	EPA 8260C
d8-Toluene	103	% Recovery	70.0	130	1			10/7/2022 01:53	RLD	EPA 8260C
Dibromofluoromethane	105	% Recovery	70.0	130	1			10/7/2022 01:53	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#: 1241874 Sample Description: MW-3B-202209 License/Well #: 00467/134 Sampled: 9/27/2022 16:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	53	mg/L	4.0	13	5			10/7/2022 17:42	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:43	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	102	ug/L	1.2	5.0	1			9/30/2022 04:57	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 02:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 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#: 1241874 Sample Description: MW-3B-202209 License/Well #: 00467/134 Sampled: 9/27/2022 16:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 02:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 02:21	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 02:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 02:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 02:21	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 02:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 02:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.040	ug/L	0.023 *	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 02:21	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 02:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 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#: 1241874 Sample Description: MW-3B-202209 License/Well #: 00467/134 Sampled: 9/27/2022 16:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 02:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 02:21	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 02:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 02:21	RLD	EPA 8260C
Vinyl chloride	0.055	ug/L	0.019 *	0.10	1			10/7/2022 02:21	RLD	EPA 8260C
1,2 Dichloroethane-d4	115	% Recovery	70.0	130	1			10/7/2022 02:21	RLD	EPA 8260C
Bromofluorobenzene	95.0	% Recovery	70.0	130	1			10/7/2022 02:21	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/7/2022 02:21	RLD	EPA 8260C
Dibromofluoromethane	107	% Recovery	70.0	130	1			10/7/2022 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#: 1241875 Sample Description: P-117-202209 License/Well #: 00467/144 Sampled: 9/27/2022 17:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	60	mg/L	4.0	13	5			10/7/2022 17:56	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 11:44	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	192	ug/L	1.2	5.0	1			9/30/2022 05:04	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 02:49	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 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#: 1241875 Sample Description: P-117-202209 License/Well #: 00467/144 Sampled: 9/27/2022 17:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 02:49	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 02:49	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 02:49	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 02:49	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 02:49	RLD	EPA 8260C
Benzene	0.024	ug/L	0.022 *	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 02:49	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 02:49	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.66	ug/L	0.023	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 02:49	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 02:49	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 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#: 1241875 Sample Description: P-117-202209 License/Well #: 00467/144 Sampled: 9/27/2022 17:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 02:49	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 02:49	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Trichloroethene	0.066	ug/L	0.022 *	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 02:49	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 02:49	RLD	EPA 8260C
Vinyl chloride	0.79	ug/L	0.019	0.10	1			10/7/2022 02:49	RLD	EPA 8260C
1,2 Dichloroethane-d4	108	% Recovery	70.0	130	1			10/7/2022 02:49	RLD	EPA 8260C
Bromofluorobenzene	93.0	% Recovery	70.0	130	1			10/7/2022 02:49	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/7/2022 02:49	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			10/7/2022 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#: 1241876 Sample Description: DUP-01-202209 License #:00467 Sampled: 9/27/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	57	mg/L	4.0	13	5			10/10/2022 08:33	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:12	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	192	ug/L	1.2	5.0	1			9/30/2022 05:11	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 03:17	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 03:17	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#: 1241876 Sample Description: DUP-01-202209 License #:00467 Sampled: 9/27/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 03:17	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 03:17	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 03:17	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 03:17	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 03:17	RLD	EPA 8260C
Benzene	0.023	ug/L	0.022 *	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 03:17	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 03:17	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.61	ug/L	0.023	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 03:17	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 03:17	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 03:17	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#: 1241876 Sample Description: DUP-01-202209 License #:00467 Sampled: 9/27/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 03:17	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 03:17	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Trichloroethene	0.071	ug/L	0.022 *	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 03:17	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 03:17	RLD	EPA 8260C
Vinyl chloride	0.78	ug/L	0.019	0.10	1			10/7/2022 03:17	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			10/7/2022 03:17	RLD	EPA 8260C
Bromofluorobenzene	90.0	% Recovery	70.0	130	1			10/7/2022 03:17	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/7/2022 03:17	RLD	EPA 8260C
Dibromofluoromethane	107	% Recovery	70.0	130	1			10/7/2022 03:17	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#: 1241877 Sample Description: P-118-202209 License/Well #: 00467/145 Sampled: 9/27/2022 18:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	31	mg/L	0.8	2.5	1			10/7/2022 18:25	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:15	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	54.3	ug/L	1.2	5.0	1			9/30/2022 05:18	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 03:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 03:45	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#: 1241877 Sample Description: P-118-202209 License/Well #: 00467/145 Sampled: 9/27/2022 18:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 03:45	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 03:45	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 03:45	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 03:45	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 03:45	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 03:45	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 03:45	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 03:45	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 03:45	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 03:45	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#: 1241877 Sample Description: P-118-202209 License/Well #: 00467/145 Sampled: 9/27/2022 18:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 03:45	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 03:45	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 03:45	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 03:45	RLD	EPA 8260C
Vinyl chloride	0.11	ug/L	0.019	0.10	1			10/7/2022 03:45	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			10/7/2022 03:45	RLD	EPA 8260C
Bromofluorobenzene	90.0	% Recovery	70.0	130	1			10/7/2022 03:45	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/7/2022 03:45	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			10/7/2022 03:45	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#: 1241878 Sample Description: P-115-202209 License/Well #: 00467/142 Sampled: 9/28/2022 10:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	37	mg/L	0.8	2.5	1			10/7/2022 18:39	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:17	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	106	ug/L	1.2	5.0	1			9/30/2022 05:25	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 04:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 04:14	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#: 1241878 Sample Description: P-115-202209 License/Well #: 00467/142 Sampled: 9/28/2022 10:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 04:14	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 04:14	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 04:14	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 04:14	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 04:14	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 04:14	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 04:14	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.18	ug/L	0.023	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 04:14	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 04:14	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 04:14	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#: 1241878 Sample Description: P-115-202209 License/Well #: 00467/142 Sampled: 9/28/2022 10:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 04:14	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 04:14	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 04:14	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 04:14	RLD	EPA 8260C
Vinyl chloride	0.29	ug/L	0.019	0.10	1			10/7/2022 04:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			10/7/2022 04:14	RLD	EPA 8260C
Bromofluorobenzene	90.0	% Recovery	70.0	130	1			10/7/2022 04:14	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/7/2022 04:14	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			10/7/2022 04:14	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#: 1241879 Sample Description: DUP-02-202209 License #:00467 Sampled: 9/28/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	36	mg/L	0.8	2.5	1			10/7/2022 18:53	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:18	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	106	ug/L	1.2	5.0	1			9/30/2022 05:32	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 04:42	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 04:42	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#: 1241879 Sample Description: DUP-02-202209 License #:00467 Sampled: 9/28/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 04:42	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 04:42	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 04:42	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 04:42	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 04:42	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 04:42	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 04:42	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.21	ug/L	0.023	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 04:42	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 04:42	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 04:42	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#: 1241879 Sample Description: DUP-02-202209 License #:00467 Sampled: 9/28/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 04:42	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 04:42	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 04:42	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 04:42	RLD	EPA 8260C
Vinyl chloride	0.29	ug/L	0.019	0.10	1			10/7/2022 04:42	RLD	EPA 8260C
1,2 Dichloroethane-d4	111	% Recovery	70.0	130	1			10/7/2022 04:42	RLD	EPA 8260C
Bromofluorobenzene	89.0	% Recovery	70.0	130	1			10/7/2022 04:42	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			10/7/2022 04:42	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			10/7/2022 04:42	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#: 1241880 Sample Description: P-114-202209 License/Well #: 00467/140 Sampled: 9/28/2022 11:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	59	mg/L	4.0	13	5			10/7/2022 19:07	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:19	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	61.0	ug/L	1.2	5.0	1			9/30/2022 05:40	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 05:10	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 05:10	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#: 1241880 Sample Description: P-114-202209 License/Well #: 00467/140 Sampled: 9/28/2022 11:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 05:10	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 05:10	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 05:10	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 05:10	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 05:10	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 05:10	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 05:10	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.7	ug/L	0.023	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 05:10	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 05:10	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 05:10	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#: 1241880 Sample Description: P-114-202209 License/Well #: 00467/140 Sampled: 9/28/2022 11:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 05:10	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 05:10	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 05:10	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 05:10	RLD	EPA 8260C
Vinyl chloride	5.5	ug/L	0.019	0.10	1			10/7/2022 05:10	RLD	EPA 8260C
1,2 Dichloroethane-d4	96.0	% Recovery	70.0	130	1			10/7/2022 05:10	RLD	EPA 8260C
Bromofluorobenzene	94.0	% Recovery	70.0	130	1			10/7/2022 05:10	RLD	EPA 8260C
d8-Toluene	103	% Recovery	70.0	130	1			10/7/2022 05:10	RLD	EPA 8260C
Dibromofluoromethane	104	% Recovery	70.0	130	1			10/7/2022 05:10	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#: 1241881 Sample Description: P-116-202209 License/Well #: 00467/143 Sampled: 9/28/2022 12:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	14	mg/L	0.8	2.5	1			10/7/2022 19:22	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:23	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	74.8	ug/L	1.2	5.0	1			9/30/2022 05:47	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 05:38	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 05:38	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#: 1241881 Sample Description: P-116-202209 License/Well #: 00467/143 Sampled: 9/28/2022 12:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 05:38	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 05:38	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 05:38	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 05:38	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 05:38	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 05:38	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 05:38	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 05:38	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 05:38	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 05:38	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#: 1241881 Sample Description: P-116-202209 License/Well #: 00467/143 Sampled: 9/28/2022 12:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 05:38	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 05:38	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 05:38	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 05:38	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/7/2022 05:38	RLD	EPA 8260C
1,2 Dichloroethane-d4	107	% Recovery	70.0	130	1			10/7/2022 05:38	RLD	EPA 8260C
Bromofluorobenzene	93.0	% Recovery	70.0	130	1			10/7/2022 05:38	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			10/7/2022 05:38	RLD	EPA 8260C
Dibromofluoromethane	105	% Recovery	70.0	130	1			10/7/2022 05:38	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#: 1241882 Sample Description: P-113A-202209 License/Well #: 00467/136 Sampled: 9/28/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	13	mg/L	0.8	2.5	1			10/7/2022 19:36	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:24	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	13.2	ug/L	1.2	5.0	1			9/30/2022 06:15	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 06:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 06:07	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#: 1241882 Sample Description: P-113A-202209 License/Well #: 00467/136 Sampled: 9/28/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 06:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 06:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 06:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 06:07	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 06:07	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 06:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 06:07	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 06:07	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 06:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 06:07	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#: 1241882 Sample Description: P-113A-202209 License/Well #: 00467/136 Sampled: 9/28/2022 13:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 06:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 06:07	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 06:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 06:07	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/7/2022 06:07	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	70.0	130	1			10/7/2022 06:07	RLD	EPA 8260C
Bromofluorobenzene	92.0	% Recovery	70.0	130	1			10/7/2022 06:07	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			10/7/2022 06:07	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			10/7/2022 06:07	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#: 1241883 Sample Description: P-113B-202209 License/Well #: 00467/138 Sampled: 9/28/2022 14:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	77	mg/L	4.0	13	5			10/7/2022 20:19	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			9/30/2022 12:25	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	33.4	ug/L	1.2	5.0	1			9/30/2022 06:22	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/7/2022 06:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/7/2022 06:35	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#: 1241883 Sample Description: P-113B-202209 License/Well #: 00467/138 Sampled: 9/28/2022 14:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/7/2022 06:35	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/7/2022 06:35	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/7/2022 06:35	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/7/2022 06:35	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			10/7/2022 06:35	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/7/2022 06:35	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/7/2022 06:35	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/7/2022 06:35	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/7/2022 06:35	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/7/2022 06:35	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#: 1241883 Sample Description: P-113B-202209 License/Well #: 00467/138 Sampled: 9/28/2022 14:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			10/7/2022 06:35	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			10/7/2022 06:35	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/7/2022 06:35	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/7/2022 06:35	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/7/2022 06:35	RLD	EPA 8260C
1,2 Dichloroethane-d4	108	% Recovery	70.0	130	1			10/7/2022 06:35	RLD	EPA 8260C
Bromofluorobenzene	92.0	% Recovery	70.0	130	1			10/7/2022 06:35	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			10/7/2022 06:35	RLD	EPA 8260C
Dibromofluoromethane	104	% Recovery	70.0	130	1			10/7/2022 06:35	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#: 1241884 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 9/27/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			10/6/2022 22:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			10/6/2022 22:35	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			10/6/2022 22:35	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			10/6/2022 22:35	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			10/6/2022 22:35	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#: 1241884 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 9/27/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<0.84	ug/L	0.84	4.0	1			10/6/2022 22:35	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			10/6/2022 22:35	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1	Z		10/6/2022 22:35	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			10/6/2022 22:35	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			10/6/2022 22:35	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Methylene chloride	0.24	ug/L	0.090 *	0.40	1			10/6/2022 22:35	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	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#: 1241884 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 9/27/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.025	ug/L	0.025	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Tetrahydrofuran	1.4	ug/L	0.38 *	2.0	1			10/6/2022 22:35	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			10/6/2022 22:35	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			10/6/2022 22:35	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			10/6/2022 22:35	RLD	EPA 8260C
1,2 Dichloroethane-d4	105	% Recovery	70.0	130	1			10/6/2022 22:35	RLD	EPA 8260C
Bromofluorobenzene	93.0	% Recovery	70.0	130	1			10/6/2022 22:35	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			10/6/2022 22:35	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			10/6/2022 22:35	RLD	EPA 8260C

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

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

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

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

QC Qualifiers

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

Current CT Laboratories Certifications

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

Preventative Action Limit (PAL) Exceedances

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

Well Description: ***MW-103-202209*** **Well #:** ***112*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Nitrate+Nitrite Nitrogen Total	00630	13	2	10	0.10	mg/L
Trichloroethene	39180	0.68	0.5	5	0.022	ug/L

Well Description: ***MW-112-202209*** **Well #:** ***121*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	296	60	300	1.2	ug/L

Well Description: ***MW-3A-202209*** **Well #:** ***133*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	407	60	300	1.2	ug/L

Well Description: ***MW-3B-202209*** **Well #:** ***134*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	102	60	300	1.2	ug/L
Vinyl chloride	39175	0.055	0.02	0.20	0.019	ug/L

Well Description: ***P-103-202209*** **Well #:** ***114*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	73.0	60	300	1.2	ug/L

Well Description: ***P-103D-202209*** **Well #:** ***141*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	80.5	60	300	1.2	ug/L
Vinyl chloride	39175	0.15	0.02	0.20	0.019	ug/L

Well Description: ***P-107D-202209*** **Well #:** ***119*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	185	60	300	1.2	ug/L
Vinyl chloride	39175	4.6	0.02	0.20	0.019	ug/L

Well Description: ***P-111D-202209*** **Well #:** ***130*** **Sample Date** **09/27/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	2.7	0.02	0.20	0.019	ug/L

Well Description: ***P-114-202209*** **Well #:** ***140*** **Sample Date** **09/28/2022**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	61.0	60	300	1.2	ug/L

Well Description:	***P-114-202209***	**Well #:**	***140***		**Sample Date**	**09/28/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Vinyl chloride	39175	5.5	0.02	0.20	0.019	ug/L	

Well Description:	***P-115-202209***	**Well #:**	***142***		**Sample Date**	**09/28/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Manganese	01056	106	60	300	1.2	ug/L	
Vinyl chloride	39175	0.29	0.02	0.20	0.019	ug/L	

Well Description:	***P-116-202209***	**Well #:**	***143***		**Sample Date**	**09/28/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Manganese	01056	74.8	60	300	1.2	ug/L	

Well Description:	***P-117-202209***	**Well #:**	***144***		**Sample Date**	**09/27/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Dissolved Manganese	01056	192	60	300	1.2	ug/L	
Vinyl chloride	39175	0.79	0.02	0.20	0.019	ug/L	

Well Description:	***P-118-202209***	**Well #:**	***145***		**Sample Date**	**09/27/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Vinyl chloride	39175	0.11	0.02	0.20	0.019	ug/L	

Summary of Detected Organic Compounds

10/13/2022

Location/Landfill: **RIPON SUPERFUND LF** **License #:** **00467** Page 1 of 22

Well Description: ***DUP-01-202209*** **Well #:**

Parameter	Sample Date								
	9/28/2022	9/27/2022	6/21/2022	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020
Benzene		0.023							
Chloroethane			0.79			0.55			0.63
cis-1,2-Dichloroethene	0.21	0.61	3.4	0.18	2.0	1.9	1.8	1.8	2.0
Dichlorodifluoromethane						0.20			
Tetrahydrofuran								0.75	0.70
trans-1,2-Dichloroethene									0.042
Trichloroethene		0.071							
Vinyl chloride	0.29	0.78	3.6	0.34	8.4	10	7.7	7.4	7.8

Well Description: ***MW-103-202209*** **Well #:** ***112***

Parameter	Sample Date			
	9/27/2022	6/21/2022	9/8/2021	6/18/2021
cis-1,2-Dichloroethene	0.075	0.074	0.11	0.13
Tetrachloroethene	0.21	0.22	0.22	0.24
Trichloroethene	0.68	0.78	0.85	1.1

Well Description: ***MW-104-202206*** **Well #:** ***113***

Parameter	Sample Date	
	6/21/2022	6/18/2021
1,4-Dichlorobenzene	1.4	1.7
Acetone	1.6	1.00
Benzene	0.069	0.053
Carbon disulfide	0.29	
Chlorobenzene	3.6	3.9
cis-1,2-Dichloroethene	0.069	0.056
Diisopropyl ether		0.038
Isopropylbenzene	0.095	0.16
Methyl tert-butyl ether	0.052	0.066
sec-Butylbenzene	0.059	0.078
Toluene	0.025	
Vinyl chloride	0.045	

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

Parameter	Sample Date
	9/8/2021
cis-1,2-Dichloroethene	0.038

Well Description: ***P-106-202206*** **Well #:** ***116***

Parameter	Sample Date	
	6/21/2022	6/18/2021
Trichloroethene	0.13	0.14

Well Description: ***P-107-202206*** **Well #:** ***118***

Parameter	Sample Date	
	6/21/2022	6/18/2021
Benzene	0.023	
cis-1,2-Dichloroethene	0.27	0.27
Trichloroethene	0.10	0.084
Vinyl chloride	0.68	0.74

Well Description: ***P-107D-202209*** **Well #:** ***119***

Parameter	Sample Date							
	9/27/2022	6/21/2022	3/22/2022	11/16/2021	9/8/2021	6/17/2021	3/25/2021	10/29/2020
1,1-Dichloroethane	0.024			0.020			0.023	0.025
1,2,4-Trimethylbenzene				0.018	0.018	0.014	0.019	
Chloroethane	1.1	1.3	1.2	1.4	0.69	1.3	1.9	2.9
cis-1,2-Dichloroethene	1.9	1.7	1.7	1.8	0.62	1.5	2.0	2.3
Dichlorodifluoromethane	0.23							
Tetrahydrofuran	2.0						0.84	0.84
Toluene							0.014	0.024
Trichloroethene	0.15	0.096	0.11	0.10	0.047	0.059	0.15	0.13
Vinyl chloride	4.6	5.1	4.0	5.0	2.1	5.4	4.3	5.7

Well Description: ***MW-112-202206*** **Well #:** ***121***

Parameter	Sample Date			
	9/27/2022	6/21/2022	9/8/2021	6/18/2021
Chlorobenzene		0.12	0.072	0.083
cis-1,2-Dichloroethene	0.042	0.051	0.057	0.059
Tetrachloroethene		0.052	0.10	0.084
Trichloroethene	0.085	0.18	0.27	0.30

Well Description: ***P-111D-202209*** **Well #:** ***130***

Parameter	Sample Date							
	9/27/2022	6/21/2022	3/23/2022	11/16/2021	9/8/2021	6/17/2021	3/25/2021	10/29/2020
Chloroethane	0.51	0.78	0.62	0.84	0.86	0.76	0.93	1.1
cis-1,2-Dichloroethene	3.1	3.4	3.3	3.4	3.3	3.3	3.0	3.4
Methyl tert-butyl ether							0.024	
Tetrahydrofuran							0.57	
Toluene								0.015
trans-1,2-Dichloroethene			0.055	0.038	0.043		0.050	0.049
Vinyl chloride	2.7	3.5	3.0	3.6	4.2	3.2	3.2	3.9

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

Parameter	Sample Date
	10/29/2020
Toluene	0.052

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

Parameter	Sample Date						
	9/27/2022	6/21/2022	3/22/2022	11/16/2021	9/8/2021	3/25/2021	10/29/2020
Chloroform							0.018
cis-1,2-Dichloroethene	0.040			0.037		0.032	0.029
Vinyl chloride	0.055	0.052	0.046	0.066	0.061	0.042	0.049

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

Parameter	Sample Date
	9/9/2021
Chloromethane	0.079

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

Parameter	Sample Date
	10/28/2020
Chloromethane	0.054

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

Parameter	Sample Date							
	9/28/2022	6/22/2022	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020
Chloroethane							0.47	0.43
cis-1,2-Dichloroethene	1.7	1.9	1.8	1.9	1.8	1.9	1.8	2.0
Dichlorodifluoromethane					0.18			
Tetrahydrofuran							0.65	0.64
Toluene								0.029
trans-1,2-Dichloroethene							0.028	0.038
Vinyl chloride	5.5	8.6	6.1	8.2	11	8.0	7.4	8.1

Well Description: ***P-103D-202209*** **Well #:** ***141***

Parameter	Sample Date							
	9/27/2022	6/21/2022	3/22/2022	11/16/2021	9/8/2021	6/18/2021	3/25/2021	10/28/2020
Benzene	0.026	0.026	0.026	0.028	0.025	0.032	0.028	0.025
cis-1,2-Dichloroethene	0.23	0.27	0.27	0.31	0.27	0.31	0.30	0.33
Toluene								0.021
Trichloroethene	0.084	0.073	0.056	0.067	0.063	0.075	0.076	0.073
Vinyl chloride	0.15	0.26	0.20	0.26	0.33	0.24	0.23	0.26

Well Description: ***P-115-202209*** **Well #:** ***142***

Parameter	Sample Date							
	9/28/2022	6/22/2022	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021	10/28/2020
cis-1,2-Dichloroethene	0.18	0.19	0.18	0.21	0.19	0.21	0.20	0.20
Vinyl chloride	0.29	0.44	0.33	0.48	0.63	0.53	0.52	0.67

Well Description: ***P-117-202209*** **Well #:** ***144***

Parameter	Sample Date							
	9/27/2022	6/21/2022	3/23/2022	11/17/2021	9/8/2021	6/18/2021	3/25/2021	10/29/2020
Benzene	0.024	0.023	0.023			0.022	0.029	0.028
Chloroethane					0.40		0.41	0.59
cis-1,2-Dichloroethene	0.66	0.65	0.71	0.72	0.75	0.75	0.75	0.79
Toluene								0.020
Trichloroethene	0.066	0.052	0.049	0.057	0.048		0.054	0.065
Vinyl chloride	0.79	1.2	0.90	1.2	1.5	1.1	1.0	1.2

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

Parameter	Sample Date							
	9/27/2022	6/21/2022	3/23/2022	11/17/2021	9/8/2021	6/18/2021	3/25/2021	10/29/2020
Carbon disulfide						0.12		
Toluene							0.020	0.032
Vinyl chloride	0.11	0.11	0.091	0.11	0.13	0.087	0.086	0.088

Well Description: ***LC-1-202206*** **Well #:** ***301***

Parameter	Sample Date 6/22/2022	6/18/2021
1,2,4-Trimethylbenzene	10	50
1,3,5-Trimethylbenzene	3.5	18
Chlorobenzene		6.0
Ethylbenzene	5.4	17
m & p-Xylene	34	120
Methylene chloride		19
Naphthalene	6.0	51
n-Butylbenzene	1.7	
o-Xylene	3.9	9.0
Tetrahydrofuran	82	200

Well Description: ***LC-2-202206*** **Well #:** ***302***

Parameter	Sample Date	
	6/22/2022	6/18/2021
1,2,4-Trimethylbenzene	70	73
1,3,5-Trimethylbenzene	12	12
1,4-Dichlorobenzene	14	15
2-Chlorotoluene	2.0	
Benzene	12	12
Chlorobenzene	56	46
Ethylbenzene	10	13
Isopropylbenzene	9.5	9.7
m & p-Xylene	300	330
Methyl tert-butyl ether	1.7	
Methylene chloride		8.8
Naphthalene	13	19
n-Butylbenzene	2.0	
n-Propylbenzene	8.4	9.6
p-Isopropyltoluene	2.2	
tert-Butylbenzene		11
Tetrahydrofuran	210	230

Well Description: ***LC-3-202206*** **Well #:** ***303***

Parameter	Sample Date 6/22/2022	6/18/2021
1,2,4-Trimethylbenzene	3.6	
1,3,5-Trimethylbenzene	1.6	
2-Butanone	46	28
Acetone	120	66
Carbon disulfide	4.3	7.6
cis-1,2-Dichloroethene	56	12
Ethylbenzene	8.6	4.0
m & p-Xylene	83	7.6
Methylene chloride		9.8
Naphthalene		8.7
o-Xylene	28	
Tetrahydrofuran	65	43
Toluene	32	2.4
Vinyl chloride	3.6	

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

Parameter	Sample Date							
	9/27/2022	6/21/2022	3/22/2022	11/17/2021	9/9/2021	6/18/2021	3/25/2021	10/29/2020
Acetone		1.3		1.3		2.0		
Chloroform					0.024			
Chloromethane								0.051
Methylene chloride	0.24	1.2	0.53	0.30		0.25	0.34	0.46
Tetrahydrofuran	1.4							
Toluene								0.064

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QC Summary Report

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

SDG #: 0 **Folder #: 172578** **Project #: 472213**

Lab Control Spike Water

Analytical Run #:	265781	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1242107	Analysis Time:	11:11	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	5.30	mg/L			5.0	106	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	5.30	mg/L			5.0	106	90 --- 110		

Method Blank Water

Analytical Run #:	265781	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1242108	Analysis Time:	11:12	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

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

Matrix Spike Duplicate Water

Analytical Run #:	265781	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1243598	Analysis Time:	11:46	Prep Date/Time:		Method:	
Parent Sample #:	1243597	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.96	mg/L	BDL		2.0	98	90 --- 110	8	20

Matrix Spike Water

Analytical Run #:	265781	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1243597	Analysis Time:	11:45	Prep Date/Time:		Method:	
Parent Sample #:	1241875	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	2.12	mg/L	BDL		2.0	106	90 --- 110		20

Lab Control Spike Water

Analytical Run #:	265782	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1242109	Analysis Time:	11:48	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	5.090	mg/L			5.0	102	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	5.090	mg/L			5.0	102	90 --- 110		

Method Blank Water

Analytical Run #:	265782	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1242110	Analysis Time:	11:49	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

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

Matrix Spike Duplicate Water

Analytical Run #:	265782	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1243623	Analysis Time:	12:14	Prep Date/Time:		Method:	
Parent Sample #:	1243629	Analyst:		Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	2.18	mg/L	BDL		2.0	109	90 --- 110	8	20

Matrix Spike Water

Analytical Run #:	265782	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1243629	Analysis Time:	12:13	Prep Date/Time:		Method:	
Parent Sample #:	1241876	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	2.01	mg/L	BDL		2.0	100	90 --- 110		20

Duplicate

Analytical Run #:	266022	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1247032	Analysis Time:	15:06	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1241867	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	32.5	mg/L	33					2	10

Lab Control Spike Water

Analytical Run #:	266022	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1247035	Analysis Time:	17:00	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	25.40	mg/L			25.00	102	80 --- 120		

Method Blank Water

Analytical Run #:	266022	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1247036	Analysis Time:	17:14	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 #:	266022	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1247033	Analysis Time:	15:20	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1241867	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	39.4	mg/L	33		8.0	80	49 --- 120		20

Matrix Spike Duplicate Water

Analytical Run #:	265757	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1243894	Analysis Time:	03:46	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1243893	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	885	ug/L	185		1000	70	67 --- 121	1	13

Matrix Spike Water

Analytical Run #:	265757	Analysis Date:	9/30/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1243893	Analysis Time:	03:39	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1241867	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	872	ug/L	185		1000	69	67 --- 121		13

Lab Control Spike Water

Analytical Run #:	265763	Analysis Date:	10/6/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1245634	Analysis Time:	20:42	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.31	ug/L			4.0	108	78	---	121		20
1,1,1-Trichloroethane	4.47	ug/L			4.0	112	82	---	122		20
1,1,2,2-Tetrachloroethane	3.32	ug/L			4.0	83	68	---	128		20
1,1,2-Trichloroethane	3.64	ug/L			4.0	91	84	---	114		20
1,1-Dichloroethane	4.14	ug/L			4.0	104	76	---	122		20
1,1-Dichloroethene	4.02	ug/L			4.0	100	83	---	123		20
1,1-Dichloropropene	4.16	ug/L			4.0	104	85	---	120		20
1,2 Dichloroethane-d4	105	% Recovery			100	105	87	---	107		
1,2,3-Trichlorobenzene	3.99	ug/L			4.0	100	78	---	121		20
1,2,3-Trichloropropane	3.38	ug/L			4.0	84	62	---	129		20
1,2,4-Trichlorobenzene	4.26	ug/L			4.0	106	80	---	120		20
1,2,4-Trimethylbenzene	3.67	ug/L			4.0	92	76	---	125		20
1,2-Dibromo-3-chloropropane	3.81	ug/L			4.0	95	69	---	125		20
1,2-Dibromoethane	4.00	ug/L			4.0	100	80	---	118		20
1,2-Dichlorobenzene	3.62	ug/L			4.0	90	80	---	117		20
1,2-Dichloroethane	4.29	ug/L			4.0	107	78	---	118		20
1,2-Dichloropropane	3.88	ug/L			4.0	97	78	---	121		20
1,3,5-Trimethylbenzene	3.62	ug/L			4.0	90	76	---	126		20
1,3-Dichlorobenzene	3.69	ug/L			4.0	92	78	---	119		20
1,3-Dichloropropane	3.89	ug/L			4.0	97	82	---	117		20
1,4-Dichlorobenzene	3.71	ug/L			4.0	93	77	---	118		20
2,2-Dichloropropane	4.57	ug/L			4.0	114	71	---	133		20
2-Butanone	38.3	ug/L			40.0	96	80	---	120		20
2-Chlorotoluene	3.43	ug/L			4.0	86	73	---	124		20
2-Hexanone	41.2	ug/L			40.0	103	73	---	127		20
4-Chlorotoluene	3.49	ug/L			4.0	87	74	---	125		20
4-Methyl-2-pentanone	41.1	ug/L			40.0	103	77	---	125		20
Acetone	41.2	ug/L			40.0	103	72	---	117		20
Benzene	3.81	ug/L			4.0	95	82	---	118		20
Bromobenzene	3.89	ug/L			4.0	97	77	---	118		20
Bromochloromethane	3.83	ug/L			4.0	96	81	---	116		20
Bromodichloromethane	3.89	ug/L			4.0	97	80	---	122		20
Bromofluorobenzene	90.0	% Recovery			100	90.0	90	---	108		
Bromoform	4.53	ug/L			4.0	113	72	---	124		20
Bromomethane	3.40	ug/L			4.0	85	25	---	156		20
Carbon disulfide	7.83	ug/L			8.0	98	81	---	124		20
Carbon tetrachloride	4.79	ug/L			4.0	120	87	---	129		20
Chlorobenzene	3.92	ug/L			4.0	98	78	---	118		20
Chloroethane	3.05	ug/L			4.0	76	73	---	126		20
Chloroform	3.67	ug/L			4.0	92	76	---	119		20
Chloromethane	3.57	ug/L			4.0	89	70	---	121		20
cis-1,2-Dichloroethene	3.68	ug/L			4.0	92	82	---	118		20

Lab Control Spike Water

Analytical Run #:	265763	Analysis Date:	10/6/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1245634	Analysis Time:	20:42	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	3.77	ug/L			4.0	94	81	---	123		20
d8-Toluene	99.0	% Recovery			100	99.0	93	---	108		
Dibromochloromethane	4.25	ug/L			4.0	106	76	---	124		20
Dibromofluoromethane	101	% Recovery			100	101	93	---	106		
Dibromomethane	3.75	ug/L			4.0	94	83	---	115		20
Dichlorodifluoromethane	4.30	ug/L			4.0	108	78	---	126		20
Diisopropyl ether	4.26	ug/L			4.0	106	75	---	125		20
Ethylbenzene	3.91	ug/L			4.0	98	78	---	125		20
Hexachlorobutadiene	4.34	ug/L			4.0	108	79	---	123		20
Isopropylbenzene	4.14	ug/L			4.0	104	81	---	124		20
m & p-Xylene	8.01	ug/L			8.0	100	80	---	123		20
Methyl tert-butyl ether	4.09	ug/L			4.0	102	82	---	116		20
Methylene chloride	3.74	ug/L			4.0	94	73	---	128		20
n-Butylbenzene	3.61	ug/L			4.0	90	76	---	127		20
n-Propylbenzene	3.63	ug/L			4.0	91	75	---	129		20
Naphthalene	3.36	ug/L			4.0	84	64	---	129		20
o-Xylene	3.89	ug/L			4.0	97	81	---	121		20
p-Isopropyltoluene	3.86	ug/L			4.0	96	79	---	126		20
sec-Butylbenzene	3.78	ug/L			4.0	94	76	---	128		20
Styrene	3.96	ug/L			4.0	99	81	---	122		20
tert-Butylbenzene	3.84	ug/L			4.0	96	76	---	125		20
Tetrachloroethene	4.59	ug/L			4.0	115	82	---	123		20
Tetrahydrofuran	43.0	ug/L			40.0	108	69	---	122		20
Toluene	3.93	ug/L			4.0	98	82	---	119		20
trans-1,2-Dichloroethene	3.75	ug/L			4.0	94	80	---	122		20
trans-1,3-Dichloropropene	4.07	ug/L			4.0	102	83	---	119		20
Trichloroethene	3.71	ug/L			4.0	93	82	---	120		20
Trichlorofluoromethane	4.66	ug/L			4.0	116	78	---	130		20
Vinyl acetate	47.0	ug/L			40.0	118	63	---	136		20
Vinyl chloride	3.43	ug/L			4.0	86	73	---	127		20

Method Blank Water

Analytical Run #:	265763	Analysis Date:	10/6/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1245639	Analysis Time:	22:07	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	98.0	% Recovery			100	98.0	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	0.84	ug/L		U	0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	96.0	% Recovery			100	96.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	265763	Analysis Date:	10/6/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1245639	Analysis Time:	22:07	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	103	% Recovery			100	103	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	0.020	ug/L		U	0		0.020		
m & p-Xylene	0.030	ug/L		U	0		0.030		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.020	ug/L		U	0		0.020		
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	0.021	ug/L		U	0		0.021		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.020	ug/L		U	0		0.020		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.020	ug/L		U	0		0.020		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Matrix Spike Duplicate Water

Analytical Run #:	265763	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1245686	Analysis Time:	07:32	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1245660	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.28	ug/L	BDL		4.0	107	67	---	122	1	21
1,1,1-Trichloroethane	5.03	ug/L	BDL		4.0	126	69	---	128	4	20
1,1,2,2-Tetrachloroethane	3.27	ug/L	BDL		4.0	82	54	---	130	1	22
1,1,2-Trichloroethane	3.61	ug/L	BDL		4.0	90	67	---	116	1	25
1,1-Dichloroethane	4.45	ug/L	BDL		4.0	111	64	---	124	5	25
1,1-Dichloroethene	4.54	ug/L	BDL		4.0	114	70	---	130	1	24
1,1-Dichloropropene	4.71	ug/L	BDL		4.0	118	74	---	127	0	21
1,2 Dichloroethane-d4	105	% Recovery			100	105	86	---	106	0	7
1,2,3-Trichlorobenzene	4.34	ug/L	BDL		4.0	108	56	---	134	6	31
1,2,3-Trichloropropane	3.38	ug/L	BDL		4.0	84	54	---	117	4	26
1,2,4-Trichlorobenzene	4.36	ug/L	BDL		4.0	109	56	---	133	1	29
1,2,4-Trimethylbenzene	4.00	ug/L	BDL		4.0	100	63	---	132	7	36
1,2-Dibromo-3-chloropropane	3.46	ug/L	BDL		4.0	86	48	---	121	3	34
1,2-Dibromoethane	4.01	ug/L	BDL		4.0	100	66	---	114	0	22
1,2-Dichlorobenzene	3.86	ug/L	BDL		4.0	96	63	---	124	2	23
1,2-Dichloroethane	4.44	ug/L	BDL		4.0	111	60	---	117	0	21
1,2-Dichloropropane	3.98	ug/L	BDL		4.0	100	67	---	121	0	19
1,3,5-Trimethylbenzene	4.09	ug/L	BDL		4.0	102	68	---	130	5	34
1,3-Dichlorobenzene	4.08	ug/L	BDL		4.0	102	66	---	126	6	22
1,3-Dichloropropane	4.00	ug/L	BDL		4.0	100	67	---	114	2	23
1,4-Dichlorobenzene	3.95	ug/L	BDL		4.0	99	65	---	125	2	22
2,2-Dichloropropane	4.37	ug/L	BDL		4.0	109	57	---	136	2	21
2-Butanone	34.2	ug/L	BDL		40.0	86	67	---	110	5	29
2-Chlorotoluene	3.93	ug/L	BDL		4.0	98	61	---	134	6	20
2-Hexanone	37.3	ug/L	BDL		40.0	93	51	---	128	3	28
4-Chlorotoluene	3.84	ug/L	BDL		4.0	96	65	---	129	4	22
4-Methyl-2-pentanone	39.5	ug/L	BDL		40.0	99	55	---	125	1	29
Acetone	37.5	ug/L	BDL		40.0	94	41	---	101	2	39
Benzene	4.13	ug/L	BDL		4.0	103	71	---	120	3	17
Bromobenzene	3.99	ug/L	BDL		4.0	100	63	---	129	1	20
Bromochloromethane	4.09	ug/L	BDL		4.0	102	69	---	113	0	22
Bromodichloromethane	3.90	ug/L	BDL		4.0	98	66	---	119	2	20
Bromofluorobenzene	92.0	% Recovery			100	92.0	75	---	124	0	7
Bromoform	4.11	ug/L	BDL		4.0	103	57	---	116	8	28
Bromomethane	2.40	ug/L	BDL		4.0	60	11	---	144	24	34
Carbon disulfide	9.11	ug/L	BDL		8.0	114	62	---	136	5	31
Carbon tetrachloride	5.43	ug/L	BDL		4.0	136	80	---	133	5	20
Chlorobenzene	4.04	ug/L	BDL		4.0	101	69	---	120	2	21
Chloroethane	3.44	ug/L	BDL		4.0	86	61	---	129	7	26
Chloroform	3.82	ug/L	BDL		4.0	96	64	---	121	0	18
Chloromethane	3.84	ug/L	BDL		4.0	96	58	---	120	1	21
cis-1,2-Dichloroethene	3.89	ug/L	BDL		4.0	97	71	---	117	1	21

Matrix Spike Duplicate Water

Analytical Run #:	265763	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1245686	Analysis Time:	07:32	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1245660	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	3.81	ug/L	BDL		4.0	95	66	---	116	2	21
d8-Toluene	101	% Recovery			100	101	94	---	105	0	7
Dibromochloromethane	3.91	ug/L	BDL		4.0	98	64	---	115	4	23
Dibromofluoromethane	102	% Recovery			100	102	90	---	108	0	7
Dibromomethane	3.92	ug/L	BDL		4.0	98	68	---	111	1	21
Dichlorodifluoromethane	5.28	ug/L	BDL		4.0	132	68	---	141	7	22
Diisopropyl ether	4.42	ug/L	BDL		4.0	110	57	---	129	3	27
Ethylbenzene	4.11	ug/L	BDL		4.0	103	70	---	128	2	24
Hexachlorobutadiene	5.46	ug/L	BDL		4.0	136	57	---	146	10	30
Isopropylbenzene	4.47	ug/L	BDL		4.0	112	72	---	131	3	24
m & p-Xylene	8.33	ug/L	BDL		8.0	104	70	---	128	2	28
Methyl tert-butyl ether	3.99	ug/L	BDL		4.0	100	60	---	116	3	33
Methylene chloride	3.73	ug/L	BDL		4.0	93	29	---	139	5	36
n-Butylbenzene	4.25	ug/L	BDL		4.0	106	67	---	136	6	24
n-Propylbenzene	4.07	ug/L	BDL		4.0	102	64	---	143	5	23
Naphthalene	3.45	ug/L	BDL		4.0	86	58	---	122	3	31
o-Xylene	4.11	ug/L	BDL		4.0	103	71	---	123	4	26
p-Isopropyltoluene	4.36	ug/L	BDL		4.0	109	71	---	135	6	27
sec-Butylbenzene	4.22	ug/L	BDL		4.0	106	71	---	137	6	23
Styrene	4.05	ug/L	BDL		4.0	101	70	---	125	1	40
tert-Butylbenzene	4.26	ug/L	BDL		4.0	106	70	---	133	5	22
Tetrachloroethene	5.24	ug/L	BDL		4.0	131	75	---	127	4	21
Tetrahydrofuran	40.3	ug/L	BDL		40.0	101	48	---	111	3	28
Toluene	4.25	ug/L	BDL		4.0	106	71	---	120	5	19
trans-1,2-Dichloroethene	4.25	ug/L	BDL		4.0	106	72	---	121	1	28
trans-1,3-Dichloropropene	3.91	ug/L	BDL		4.0	98	69	---	109	4	21
Trichloroethene	4.16	ug/L	BDL		4.0	104	73	---	118	5	19
Trichlorofluoromethane	5.37	ug/L	BDL		4.0	134	75	---	134	3	23
Vinyl acetate	42.9	ug/L	BDL		40.0	107	55	---	127	0	25
Vinyl chloride	3.93	ug/L	BDL		4.0	98	61	---	130	5	21

Matrix Spike Water

Analytical Run #:	265763	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1245660	Analysis Time:	07:03	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1241868	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.24	ug/L	BDL		4.0	106	67 --- 122		21
1,1,1-Trichloroethane	4.83	ug/L	BDL		4.0	121	69 --- 128		20
1,1,2,2-Tetrachloroethane	3.29	ug/L	BDL		4.0	82	54 --- 130		22
1,1,2-Trichloroethane	3.64	ug/L	BDL		4.0	91	67 --- 116		25
1,1-Dichloroethane	4.23	ug/L	BDL		4.0	106	64 --- 124		25
1,1-Dichloroethene	4.52	ug/L	BDL		4.0	113	70 --- 130		24
1,1-Dichloropropene	4.70	ug/L	BDL		4.0	118	74 --- 127		21
1,2 Dichloroethane-d4	103	% Recovery			100	103	86 --- 106		7
1,2,3-Trichlorobenzene	4.09	ug/L	BDL		4.0	102	56 --- 134		31
1,2,3-Trichloropropane	3.24	ug/L	BDL		4.0	81	54 --- 117		26
1,2,4-Trichlorobenzene	4.39	ug/L	BDL		4.0	110	56 --- 133		29
1,2,4-Trimethylbenzene	3.72	ug/L	BDL		4.0	93	63 --- 132		36
1,2-Dibromo-3-chloropropane	3.58	ug/L	BDL		4.0	90	48 --- 121		34
1,2-Dibromoethane	4.01	ug/L	BDL		4.0	100	66 --- 114		22
1,2-Dichlorobenzene	3.77	ug/L	BDL		4.0	94	63 --- 124		23
1,2-Dichloroethane	4.45	ug/L	BDL		4.0	111	60 --- 117		21
1,2-Dichloropropane	3.97	ug/L	BDL		4.0	99	67 --- 121		19
1,3,5-Trimethylbenzene	3.90	ug/L	BDL		4.0	98	68 --- 130		34
1,3-Dichlorobenzene	3.83	ug/L	BDL		4.0	96	66 --- 126		22
1,3-Dichloropropane	3.92	ug/L	BDL		4.0	98	67 --- 114		23
1,4-Dichlorobenzene	3.87	ug/L	BDL		4.0	97	65 --- 125		22
2,2-Dichloropropane	4.27	ug/L	BDL		4.0	107	57 --- 136		21
2-Butanone	36.0	ug/L	BDL		40.0	90	67 --- 110		29
2-Chlorotoluene	3.71	ug/L	BDL		4.0	93	61 --- 134		20
2-Hexanone	38.5	ug/L	BDL		40.0	96	51 --- 128		28
4-Chlorotoluene	3.69	ug/L	BDL		4.0	92	65 --- 129		22
4-Methyl-2-pentanone	39.2	ug/L	BDL		40.0	98	55 --- 125		29
Acetone	36.8	ug/L	BDL		40.0	92	41 --- 101		39
Benzene	4.00	ug/L	BDL		4.0	100	71 --- 120		17
Bromobenzene	3.96	ug/L	BDL		4.0	99	63 --- 129		20
Bromochloromethane	4.09	ug/L	BDL		4.0	102	69 --- 113		22
Bromodichloromethane	3.82	ug/L	BDL		4.0	96	66 --- 119		20
Bromofluorobenzene	94.0	% Recovery			100	94.0	75 --- 124		7
Bromoform	4.44	ug/L	BDL		4.0	111	57 --- 116		28
Bromomethane	1.88	ug/L	BDL		4.0	47	11 --- 144		34
Carbon disulfide	8.64	ug/L	BDL		8.0	108	62 --- 136		31
Carbon tetrachloride	5.15	ug/L	BDL		4.0	129	80 --- 133		20
Chlorobenzene	3.98	ug/L	BDL		4.0	100	69 --- 120		21
Chloroethane	3.22	ug/L	BDL		4.0	80	61 --- 129		26
Chloroform	3.82	ug/L	BDL		4.0	96	64 --- 121		18
Chloromethane	3.87	ug/L	BDL		4.0	97	58 --- 120		21
cis-1,2-Dichloroethene	3.84	ug/L	BDL		4.0	96	71 --- 117		21

Matrix Spike Water

Analytical Run #:	265763	Analysis Date:	10/7/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1245660	Analysis Time:	07:03	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1241868	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	3.73	ug/L	BDL		4.0	93	66 --- 116		21
d8-Toluene	101	% Recovery			100	101	94 --- 105		7
Dibromochloromethane	4.07	ug/L	BDL		4.0	102	64 --- 115		23
Dibromofluoromethane	103	% Recovery			100	103	90 --- 108		7
Dibromomethane	3.89	ug/L	BDL		4.0	97	68 --- 111		21
Dichlorodifluoromethane	4.92	ug/L	BDL		4.0	123	68 --- 141		22
Diisopropyl ether	4.30	ug/L	BDL		4.0	108	57 --- 129		27
Ethylbenzene	4.03	ug/L	BDL		4.0	101	70 --- 128		24
Hexachlorobutadiene	4.95	ug/L	BDL		4.0	124	57 --- 146		30
Isopropylbenzene	4.33	ug/L	BDL		4.0	108	72 --- 131		24
m & p-Xylene	8.18	ug/L	BDL		8.0	102	70 --- 128		28
Methyl tert-butyl ether	3.87	ug/L	BDL		4.0	97	60 --- 116		33
Methylene chloride	3.56	ug/L	BDL		4.0	89	29 --- 139		36
n-Butylbenzene	4.02	ug/L	BDL		4.0	100	67 --- 136		24
n-Propylbenzene	3.87	ug/L	BDL		4.0	97	64 --- 143		23
Naphthalene	3.54	ug/L	BDL		4.0	88	58 --- 122		31
o-Xylene	3.96	ug/L	BDL		4.0	99	71 --- 123		26
p-Isopropyltoluene	4.10	ug/L	BDL		4.0	102	71 --- 135		27
sec-Butylbenzene	3.97	ug/L	BDL		4.0	99	71 --- 137		23
Styrene	4.02	ug/L	BDL		4.0	100	70 --- 125		40
tert-Butylbenzene	4.05	ug/L	BDL		4.0	101	70 --- 133		22
Tetrachloroethene	5.02	ug/L	BDL		4.0	126	75 --- 127		21
Tetrahydrofuran	41.4	ug/L	BDL		40.0	104	48 --- 111		28
Toluene	4.05	ug/L	BDL		4.0	101	71 --- 120		19
trans-1,2-Dichloroethene	4.20	ug/L	BDL		4.0	105	72 --- 121		28
trans-1,3-Dichloropropene	3.75	ug/L	BDL		4.0	94	69 --- 109		21
Trichloroethene	3.94	ug/L	BDL		4.0	98	73 --- 118		19
Trichlorofluoromethane	5.22	ug/L	BDL		4.0	130	75 --- 134		23
Vinyl acetate	43.1	ug/L	BDL		40.0	108	55 --- 127		25
Vinyl chloride	3.74	ug/L	BDL		4.0	94	61 --- 130		21

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	172578	Print Date / Time:	09/29/2022	13:23	
Client:	TRC ENVIRONMENTAL	Received Date / Time / By:	09/29/2022	11:30	DJL
Project Name:	RIPON FF/NN LANDFILL	Log-In Date / Time / By:	09/29/2022	13:23	erc
Project Phase:	RIPON, WI	Project #:	472213	PM:	BMS
Coolers:	6427, 6192	Temperature:	<5.4 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:	2785 3196 9161, " 3192 7555		
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**		

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

ONE (1) CUSTODY SEAL WAS PRESENT AND INTACT ON EACH COOLER UPON RECEIPT - BOTH WERE DATED 9/28/22 AND SIGNED.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241867 P-107D-202209				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type (*UNPRES PL*) = 1			
1241867 P-107D-202209				
	HNO3	1	Y / N	ICP
	Total # of Containers of Type (*HNO3*) = 1			
1241867 P-107D-202209				
	H2SO4 PL	1	Y / N	NO23
	Total # of Containers of Type (*H2SO4 PL*) = 1			
1241867 P-107D-202209				
	VOA HCL	1	N / N	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241868 P-103-202209				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type (*UNPRES PL*) = 1			
1241868 P-103-202209				
	HNO3	1	Y / N	ICP
	Total # of Containers of Type (*HNO3*) = 1			

1241868	P-103-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1					
1241868	P-103-202209						
		VOA HCL	1	N	/	N	VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type (*VOA HCL*) = 4					

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241869	P-103D-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1					
1241869	P-103D-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type (*HNO3*) = 1					
1241869	P-103D-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1					
1241869	P-103D-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4					

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241870	MW-112-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1					
1241870	MW-112-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type (*HNO3*) = 1					
1241870	MW-112-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1					
1241870	MW-112-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4					

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241871	MW-103-202209				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1241871	MW-103-202209				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1241871	MW-103-202209				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1241871	MW-103-202209				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241872	P-111D-202209				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1241872	P-111D-202209				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1241872	P-111D-202209				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1241872	P-111D-202209				
		VOA HCL	1	N / N	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241873	MW-3A-202209				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1241873	MW-3A-202209				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1241873	MW-3A-202209				

		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1241873	MW-3A-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241874	MW-3B-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1241874	MW-3B-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1241874	MW-3B-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1241874	MW-3B-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241875	P-117-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1241875	P-117-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1241875	P-117-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1241875	P-117-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

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

1241876	DUP-01-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1241876	DUP-01-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1241876	DUP-01-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1241876	DUP-01-202209						
		VOA HCL	1	N	/	N	VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241877	P-118-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1241877	P-118-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1241877	P-118-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1241877	P-118-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241878	P-115-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1241878	P-115-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1241878	P-115-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241878	P-115-202209				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1 N	/ N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
1241879	DUP-02-202209				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1241879	DUP-02-202209				
		HNO3	1 Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1241879	DUP-02-202209				
		H2SO4 PL	1 Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1241879	DUP-02-202209				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1 N	/ N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
1241880	P-114-202209				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1241880	P-114-202209				
		HNO3	1 Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1241880	P-114-202209				
		H2SO4 PL	1 Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1241880	P-114-202209				
		VOA HCL	1 N	/ N	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
1241881	P-116-202209				
		UNPRES PL	1	/	Anions

		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1241881	P-116-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1241881	P-116-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1241881	P-116-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241882	P-113A-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1241882	P-113A-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1241882	P-113A-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1241882	P-113A-202209						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1241883	P-113B-202209						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1241883	P-113B-202209						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1241883	P-113B-202209						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1241883	P-113B-202209						

	VOA HCL	1		/		VOC
	VOA HCL	1		/		VOC
	VOA HCL	1		/		VOC
	VOA HCL	1	N	/	N	VOC

Total # of Containers of Type (*VOA HCL*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1241884 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 2

Company: TRC
Project Contact: Andrew Ruetten
Telephone: 608-598-9108
Project Name: Ripon FF/NN LF
Project #: 472213
Location: Ripon, WI
Sampled By: A. Ruetten

Folder #: 172578
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: Andrew Stehn
EMAIL: astehn@trccompanies.com
Company: TRC
Address: 708 Heartland Tr. Suite 3000 Madison, WI 53717

Invoice To:*
EMAIL: same ↑
Company:
Address:

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

Client Special Instructions

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOC (8260C)	Nitrate+Nitrite (EPA353.2)	Sulfate (9056A)	Mn, Diss (6010C)	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test						
9/27	10:30	GW	G		P-107D-202209	Y	x	x	x	x			127867
9/27	11:45	GW	G		P-103-202209	Y	x	x	x	x			68
9/27	12:20	GW	G		P-103D-202209	Y	x	x	x	x			69
9/27	11:54	GW	G		MW-1/2-202209	Y	x	x	x	x			70
9/27	12:38	GW	G		MW-103-202209	Y	x	x	x	x			71
9/27	13:50	GW	G		P-111D-202209	Y	x	x	x	x			72
9/27	14:55	GW	G		MW-3A-202209	Y	x	x	x	x			73
9/27	16:00	GW	G		MW-3B-202209	Y	x	x	x	x			74
9/27	17:10	GW	G		P-117-202209	Y	x	x	x	x			75
9/27	–	GW	G		DUP-01-202209	Y	x	x	x	x			76
9/27	18:15	GW	G		P-118-202209	Y	x	x	x	x			77
													~~78~~ 60

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
Andrew Ruetten	9/28/22	[signature]	9/28/22 1130
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		[signature]	9/28/22 1342

Lab Use Only
Ice Present Yes No 27
Obs. Temp 4.5 IR Gun _____
Act. Temp _____ Cooler 6142, 6427

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Page 2 of 2

Company: TRC
Project Contact: Andrew Ruetten
Telephone: 608-598-9108
Project Name: Ripon FF/NN LF
Project #: 472213
Location: Ripon, WI
Sampled By: A. Ruetten

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:
172578

Program:
QSM RCRA SDWA NPDES
Solid Waste Other ______

PO #

Report To: Andrew Stehn
EMAIL: astehn@trccompanies.com
Company: TRC
Address: 708 Heartland Tr. Suite 3000 Madison, WI 53717

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

ANALYSES REQUESTED

Collection Date	Collection Time	Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	VOC (8260C)	Nitrate+Nitrite (EPA 353.2)	Sulfate (9056A)	Mn, Diss. (6010C)	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
9/28	10:05	GW	G		P-115-202209	Y	x	x	x	x			1241878
9/28	–	GW	G		DUP-02-202209	Y	x	x	x	x			79 ~~80~~
9/28	11:10	GW	G		P-114-202209	Y	x	x	x	x			80 ~~81~~
9/28	12:10	GW	G		P-116-202209	Y	x	x	x	x			81 ~~82~~
9/28	13:30	GW	G		P-113A-202209	Y	x	x	x	x			82 ~~83~~
9/28	14:10	GW	G		P-113B-202209	Y	x	x	x	x			83 ~~84~~
					Trip Blank - [initials] 9/29		X						84

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
Andrew Ruetten	9/28/22	[signature]	9/29/22 1130
Received by:	**Date/Time**	**Received for Laboratory by:**	**Date/Time**
		[signature]	9/29/22 1342

Lab Use Only
Ice Present Yes No
Obs. Temp 5.1 IR Gun 27
Act. Temp ______ Cooler 6193, 6427

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 2.5

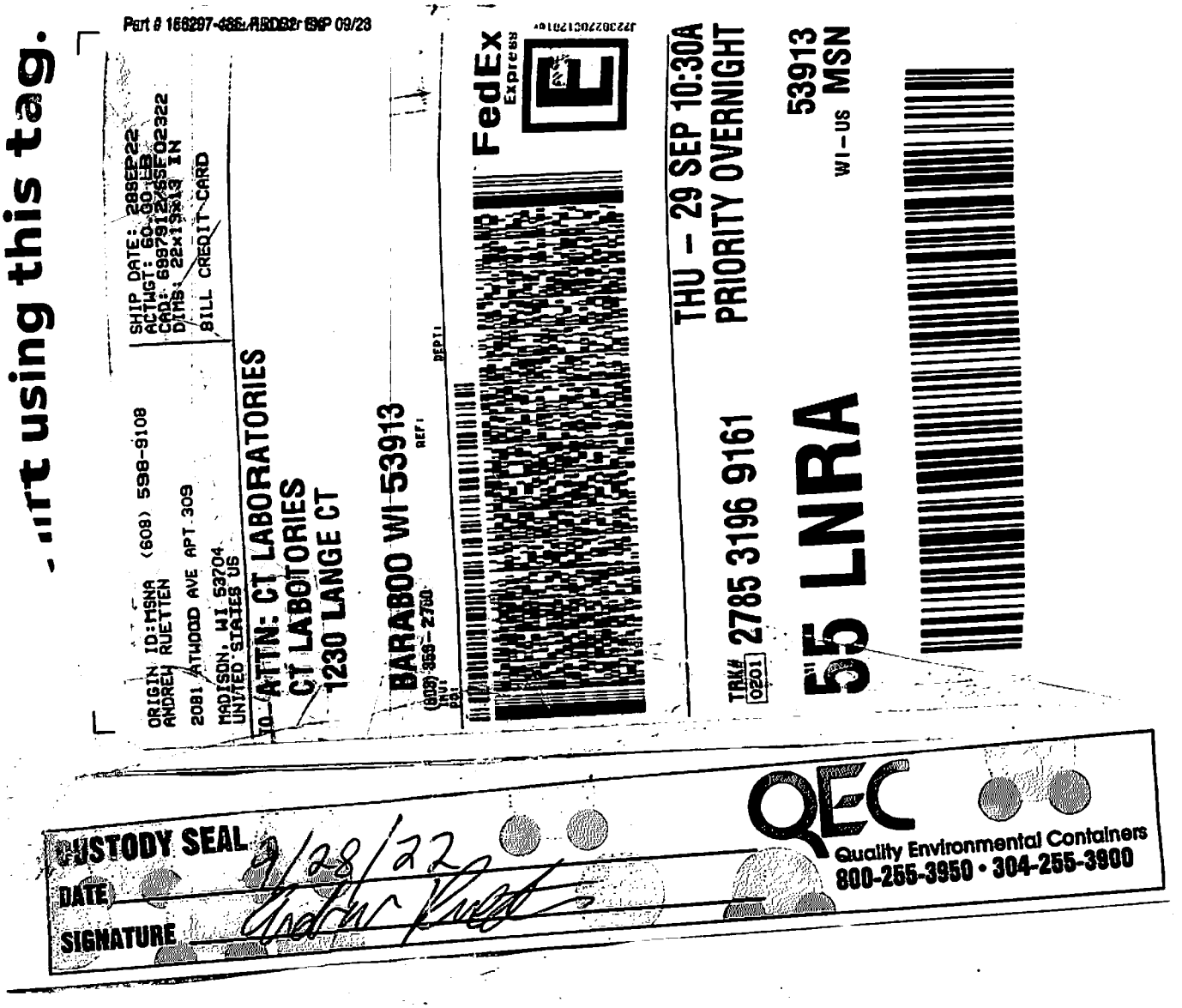
Actual Temperature _____

IR Gun # 27

Initials DI

Date 9/24/22 Time 1:30

Cooler #: 6427



Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 5.3

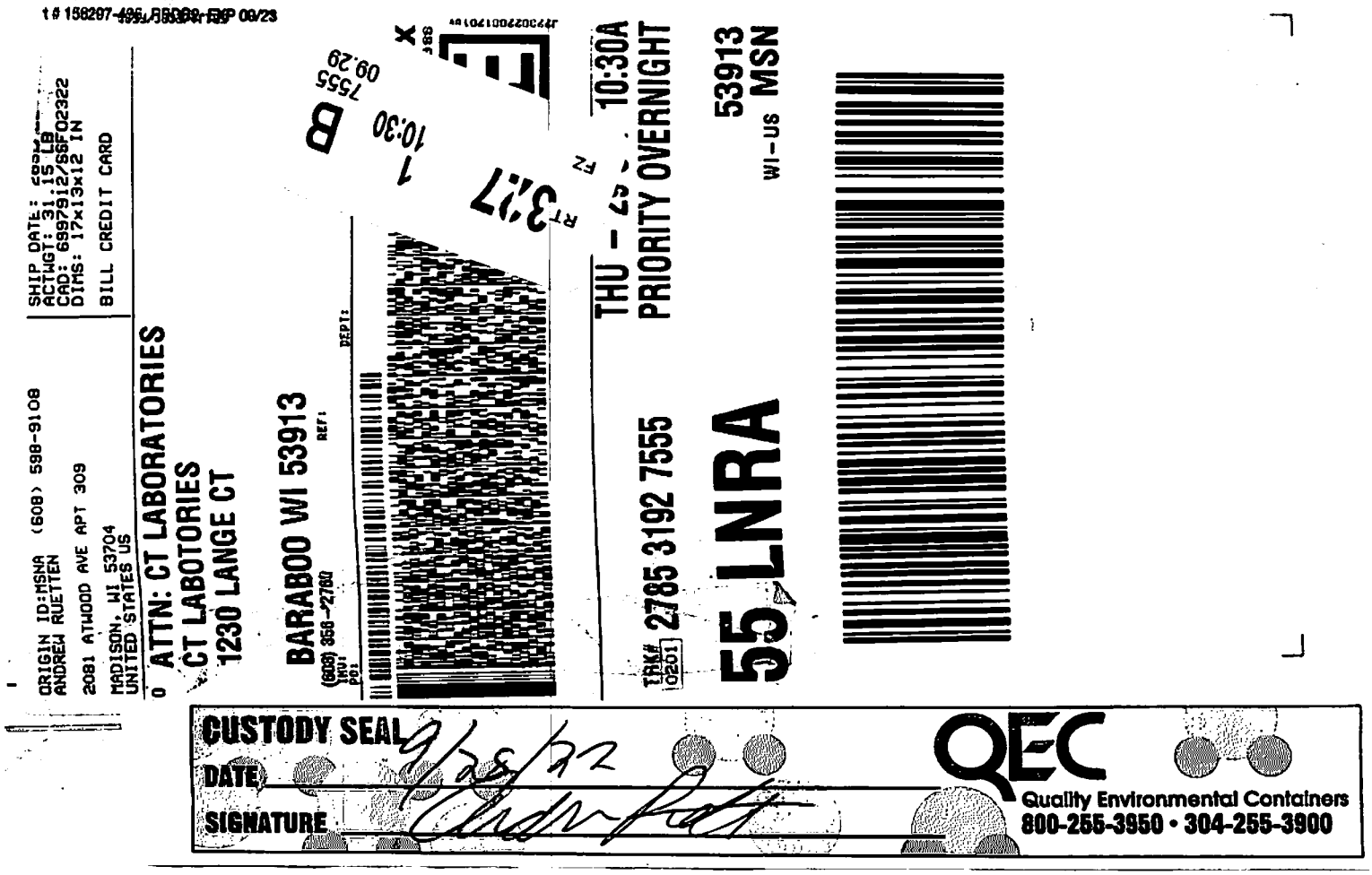
Actual Temperature _____

IR Gun # 27

Initials DL

Date 9/29/22 Time 11:30

Cooler #: 6192



CT LABORATORIES

delivering more than data from your environmental analyses

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 #:174381):
All holding times, field qc, and lab qc met criteria, except as specified below.
MS/MSD/LCS
MS and/or MSD recovery above control limits; detections estimated with a potential high bias, "j+": Dichlorodifluoromethane
Data has been reviewed per TRC data usability guidelines and is usable with the above notations.
P Popp, 1/24/2023

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
999 FOURIER DR.
SUITE 1
MADISON, WI 53717

Copy: astehn@trccompanies.com

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Project #: 472213 PH 1
Folder #: 174381
Purchase Order #: 179575
Contract #: 3276

Page 1 of 44
Arrival Temperature: 2.8
Report Date: 1/4/2023
Date Received: 12/17/2022
Reprint Date: 1/4/2023

CT LAB#: 1274303 Sample Description: MW-3A-202212 License/Well #: 00467/133 Sampled: 12/14/2022 16:11

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			12/21/2022 10:51	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:46	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	415	ug/L	1.2	5.0	1			12/19/2022 14:30	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 10:37	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#: 1274303 Sample Description: MW-3A-202212 License/Well #: 00467/133 Sampled: 12/14/2022 16:11

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 10:37	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 10:37	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 10:37	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 10:37	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 10:37	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 10:37	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 10:37	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 10:37	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:37	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#: 1274303 Sample Description: MW-3A-202212 License/Well #: 00467/133 Sampled: 12/14/2022 16:11

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1	M		12/23/2022 10:37	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 10:37	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 10:37	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 10:37	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 10:37	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#: 1274303 Sample Description: MW-3A-202212 License/Well #: 00467/133 Sampled: 12/14/2022 16:11

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 10:37	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 10:37	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/23/2022 10:37	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			12/23/2022 10:37	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 10:37	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			12/23/2022 10:37	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			12/23/2022 10:37	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#: 1274304 Sample Description: MW-3B-202212 License/Well #: 00467/134 Sampled: 12/14/2022 16:51

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	54	mg/L	4.0	13	5			12/21/2022 11:53	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:47	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	87.7	ug/L	1.2	5.0	1			12/19/2022 15:57	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 11:05	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 11:05	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#: 1274304 Sample Description: MW-3B-202212 License/Well #: 00467/134 Sampled: 12/14/2022 16:51

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 11:05	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 11:05	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 11:05	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 11:05	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 11:05	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 11:05	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 11:05	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.043	ug/L	0.023	0.10	1	*		12/23/2022 11:05	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 11:05	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 11:05	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 11:05	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#: 1274304 Sample Description: MW-3B-202212 License/Well #: 00467/134 Sampled: 12/14/2022 16:51

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 11:05	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 11:05	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 11:05	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 11:05	RLD	EPA 8260C
Vinyl chloride	0.060	ug/L	0.019 *	0.10	1			12/23/2022 11:05	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			12/23/2022 11:05	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			12/23/2022 11:05	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			12/23/2022 11:05	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 11:05	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#: 1274305 Sample Description: P-103D-202212 License/Well #: 00467/141 Sampled: 12/15/2022 10:07

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	64	mg/L	4.0	13	5			12/21/2022 12:55	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:48	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	78.4	ug/L	1.2	5.0	1			12/19/2022 16:04	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 11:34	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 11:34	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#: 1274305 Sample Description: P-103D-202212 License/Well #: 00467/141 Sampled: 12/15/2022 10:07

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 11:34	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 11:34	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 11:34	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 11:34	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 11:34	RLD	EPA 8260C
Benzene	0.033	ug/L	0.022 *	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 11:34	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 11:34	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.25	ug/L	0.023	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 11:34	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 11:34	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 11:34	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#: 1274305 Sample Description: P-103D-202212 License/Well #: 00467/141 Sampled: 12/15/2022 10:07

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 11:34	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 11:34	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Trichloroethene	0.067	ug/L	0.022 *	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 11:34	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 11:34	RLD	EPA 8260C
Vinyl chloride	0.19	ug/L	0.019	0.10	1			12/23/2022 11:34	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			12/23/2022 11:34	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			12/23/2022 11:34	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			12/23/2022 11:34	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			12/23/2022 11:34	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#: 1274306 Sample Description: P-107D-202212 License/Well #: 00467/119 Sampled: 12/14/2022 11:53

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	28	mg/L	0.80	2.5	1			12/21/2022 13:16	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:50	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	171	ug/L	1.2	5.0	1			12/19/2022 16:12	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
1,1-Dichloroethane	0.028	ug/L	0.017 *	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,2,4-Trimethylbenzene	0.020	ug/L	0.011 *	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 12:02	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:02	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#: 1274306 Sample Description: P-107D-202212 License/Well #: 00467/119 Sampled: 12/14/2022 11:53

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 12:02	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 12:02	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 12:02	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 12:02	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 12:02	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 12:02	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Chloroethane	1.4	ug/L	0.40 *	1.5	1			12/23/2022 12:02	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.9	ug/L	0.023	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Dichlorodifluoromethane	0.18	ug/L	0.091 *	0.30	1			12/23/2022 12:02	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 12:02	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 12:02	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#: 1274306 Sample Description: P-107D-202212 License/Well #: 00467/119 Sampled: 12/14/2022 11:53

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 12:02	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 12:02	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Trichloroethene	0.13	ug/L	0.022	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 12:02	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 12:02	RLD	EPA 8260C
Vinyl chloride	4.7	ug/L	0.019	0.10	1			12/23/2022 12:02	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			12/23/2022 12:02	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			12/23/2022 12:02	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			12/23/2022 12:02	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			12/23/2022 12:02	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#: 1274307 Sample Description: P-111D-202212 License/Well #: 00467/130 Sampled: 12/14/2022 13:04

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	55	mg/L	4.0	13	5			12/21/2022 13:37	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:51	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	27.3	ug/L	1.2	5.0	1			12/19/2022 16:19	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 12:31	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:31	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#: 1274307 Sample Description: P-111D-202212 License/Well #: 00467/130 Sampled: 12/14/2022 13:04

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 12:31	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 12:31	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 12:31	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 12:31	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 12:31	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 12:31	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Chloroethane	0.61	ug/L	0.40 *	1.5	1			12/23/2022 12:31	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.0	ug/L	0.023	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Dichlorodifluoromethane	0.16	ug/L	0.091 *	0.30	1			12/23/2022 12:31	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 12:31	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 12:31	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#: 1274307 Sample Description: P-111D-202212 License/Well #: 00467/130 Sampled: 12/14/2022 13:04

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 12:31	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 12:31	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.054	ug/L	0.020	0.10	1	*		12/23/2022 12:31	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 12:31	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 12:31	RLD	EPA 8260C
Vinyl chloride	3.1	ug/L	0.019	0.10	1			12/23/2022 12:31	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			12/23/2022 12:31	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			12/23/2022 12:31	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			12/23/2022 12:31	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 12:31	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#: 1274308 Sample Description: P-113A-202212 License/Well #: 00467/136 Sampled: 12/15/2022 11:21

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	12	mg/L	0.80	2.5	1			12/21/2022 13:58	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:52	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	7.8	ug/L	1.2	5.0	1			12/19/2022 16:27	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 12:59	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 12:59	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#: 1274308 Sample Description: P-113A-202212 License/Well #: 00467/136 Sampled: 12/15/2022 11:21

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 12:59	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 12:59	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 12:59	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 12:59	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 12:59	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 12:59	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 12:59	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 12:59	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 12:59	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 12:59	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#: 1274308 Sample Description: P-113A-202212 License/Well #: 00467/136 Sampled: 12/15/2022 11:21

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 12:59	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 12:59	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 12:59	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 12:59	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/23/2022 12:59	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			12/23/2022 12:59	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			12/23/2022 12:59	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			12/23/2022 12:59	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			12/23/2022 12:59	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#: 1274309 Sample Description: P-113B-202212 License/Well #: 00467/138 Sampled: 12/15/2022 12:06

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	72	mg/L	4.0	13	5			12/21/2022 14:18	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:53	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	31.8	ug/L	1.2	5.0	1			12/19/2022 16:34	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 13:27	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 13:27	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#: 1274309 Sample Description: P-113B-202212 License/Well #: 00467/138 Sampled: 12/15/2022 12:06

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 13:27	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 13:27	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 13:27	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 13:27	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 13:27	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 13:27	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 13:27	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 13:27	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 13:27	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 13:27	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#: 1274309 Sample Description: P-113B-202212 License/Well #: 00467/138 Sampled: 12/15/2022 12:06

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 13:27	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 13:27	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 13:27	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 13:27	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/23/2022 13:27	RLD	EPA 8260C
1,2 Dichloroethane-d4	98.0	% Recovery	70.0	130	1			12/23/2022 13:27	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 13:27	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			12/23/2022 13:27	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			12/23/2022 13:27	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#: 1274310 Sample Description: P-114-202212 License/Well #: 00467/140 Sampled: 12/15/2022 15:09

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	55	mg/L	4.0	13	5			12/21/2022 14:39	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:57	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	56.1	ug/L	1.2	5.0	1			12/19/2022 16:42	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 13:56	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 13:56	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#: 1274310 Sample Description: P-114-202212 License/Well #: 00467/140 Sampled: 12/15/2022 15:09

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 13:56	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 13:56	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 13:56	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 13:56	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 13:56	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 13:56	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 13:56	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.6	ug/L	0.023	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Dichlorodifluoromethane	0.16	ug/L	0.091 *	0.30	1			12/23/2022 13:56	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 13:56	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 13:56	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#: 1274310 Sample Description: P-114-202212 License/Well #: 00467/140 Sampled: 12/15/2022 15:09

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 13:56	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 13:56	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 13:56	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 13:56	RLD	EPA 8260C
Vinyl chloride	7.0	ug/L	0.019	0.10	1			12/23/2022 13:56	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			12/23/2022 13:56	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 13:56	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			12/23/2022 13:56	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			12/23/2022 13:56	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#: 1274311 Sample Description: P-115-202212 License/Well #: 00467/142 Sampled: 12/15/2022 13:02

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	32	mg/L	0.80	2.5	1			12/21/2022 15:00	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:58	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	101	ug/L	1.2	5.0	1			12/19/2022 16:49	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 14:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 14:24	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#: 1274311 Sample Description: P-115-202212 License/Well #: 00467/142 Sampled: 12/15/2022 13:02

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 14:24	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 14:24	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 14:24	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 14:24	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 14:24	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 14:24	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 14:24	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.20	ug/L	0.023	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 14:24	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 14:24	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 14:24	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#: 1274311 Sample Description: P-115-202212 License/Well #: 00467/142 Sampled: 12/15/2022 13:02

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 14:24	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 14:24	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 14:24	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 14:24	RLD	EPA 8260C
Vinyl chloride	0.36	ug/L	0.019	0.10	1			12/23/2022 14:24	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			12/23/2022 14:24	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 14:24	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			12/23/2022 14:24	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 14:24	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#: 1274312 Sample Description: P-116-202212 License/Well #: 00467/143 Sampled: 12/15/2022 14:02

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			12/21/2022 15:21	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 12:59	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	73.9	ug/L	1.2	5.0	1			12/19/2022 16:57	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 14:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 14:52	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#: 1274312 Sample Description: P-116-202212 License/Well #: 00467/143 Sampled: 12/15/2022 14:02

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 14:52	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 14:52	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 14:52	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 14:52	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 14:52	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 14:52	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 14:52	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 14:52	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 14:52	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 14:52	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#: 1274312 Sample Description: P-116-202212 License/Well #: 00467/143 Sampled: 12/15/2022 14:02

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 14:52	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 14:52	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 14:52	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 14:52	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/23/2022 14:52	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			12/23/2022 14:52	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			12/23/2022 14:52	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			12/23/2022 14:52	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			12/23/2022 14:52	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#: 1274313 Sample Description: P-117-202212 License/Well #: 00467/144 Sampled: 12/14/2022 15:12

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	56	mg/L	4.0	13	5			12/21/2022 15:41	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 13:01	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	184	ug/L	1.2	5.0	1			12/19/2022 17:04	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 15:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 15:21	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#: 1274313 Sample Description: P-117-202212 License/Well #: 00467/144 Sampled: 12/14/2022 15:12

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 15:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 15:21	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 15:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 15:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 15:21	RLD	EPA 8260C
Benzene	0.029	ug/L	0.022 *	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 15:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 15:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.68	ug/L	0.023	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 15:21	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 15:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 15:21	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#: 1274313 Sample Description: P-117-202212 License/Well #: 00467/144 Sampled: 12/14/2022 15:12

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 15:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 15:21	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Trichloroethene	0.060	ug/L	0.022 *	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 15:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 15:21	RLD	EPA 8260C
Vinyl chloride	1.1	ug/L	0.019	0.10	1			12/23/2022 15:21	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			12/23/2022 15:21	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 15:21	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			12/23/2022 15:21	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 15:21	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#: 1274314 Sample Description: P-118-202212 License/Well #: 00467/145 Sampled: 12/14/2022 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	28	mg/L	0.80	2.5	1			12/21/2022 16:02	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 13:07	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	52.6	ug/L	1.2	5.0	1			12/19/2022 17:32	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 15:49	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 15:49	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#: 1274314 Sample Description: P-118-202212 License/Well #: 00467/145 Sampled: 12/14/2022 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 15:49	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 15:49	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 15:49	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 15:49	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 15:49	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 15:49	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 15:49	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 15:49	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 15:49	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 15:49	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#: 1274314 Sample Description: P-118-202212 License/Well #: 00467/145 Sampled: 12/14/2022 14:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 15:49	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 15:49	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 15:49	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 15:49	RLD	EPA 8260C
Vinyl chloride	0.12	ug/L	0.019	0.10	1			12/23/2022 15:49	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			12/23/2022 15:49	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 15:49	RLD	EPA 8260C
d8-Toluene	98.0	% Recovery	70.0	130	1			12/23/2022 15:49	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 15:49	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#: 1274315 Sample Description: DUP-01-202212 License #:00467 Sampled: 12/15/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	66	mg/L	4.0	13	5			12/21/2022 17:25	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.05	mg/L	0.05	0.2	1			12/27/2022 13:13	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	77.2	ug/L	1.2	5.0	1			12/19/2022 17:40	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 16:17	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 16:17	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#: 1274315 Sample Description: DUP-01-202212 License #:00467 Sampled: 12/15/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 16:17	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 16:17	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 16:17	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 16:17	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 16:17	RLD	EPA 8260C
Benzene	0.039	ug/L	0.022 *	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 16:17	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 16:17	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.28	ug/L	0.023	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 16:17	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 16:17	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 16:17	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#: 1274315 Sample Description: DUP-01-202212 License #:00467 Sampled: 12/15/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			12/23/2022 16:17	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 16:17	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Trichloroethene	0.068	ug/L	0.022 *	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 16:17	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 16:17	RLD	EPA 8260C
Vinyl chloride	0.21	ug/L	0.019	0.10	1			12/23/2022 16:17	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			12/23/2022 16:17	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			12/23/2022 16:17	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			12/23/2022 16:17	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 16:17	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#: 1274316 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 12/14/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			12/23/2022 10:09	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			12/23/2022 10:09	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			12/23/2022 10:09	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			12/23/2022 10:09	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			12/23/2022 10:09	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#: 1274316 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 12/14/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<0.84	ug/L	0.84	4.0	1			12/23/2022 10:09	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			12/23/2022 10:09	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			12/23/2022 10:09	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			12/23/2022 10:09	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			12/23/2022 10:09	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Isopropylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
m & p-Xylene	<0.030	ug/L	0.030	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Methylene chloride	0.41	ug/L	0.090	0.40	1			12/23/2022 10:09	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
n-Propylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	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#: 1274316 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 12/14/2022

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.025	ug/L	0.025	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
sec-Butylbenzene	<0.021	ug/L	0.021	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
tert-Butylbenzene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			12/23/2022 10:09	RLD	EPA 8260C
Toluene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			12/23/2022 10:09	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			12/23/2022 10:09	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			12/23/2022 10:09	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			12/23/2022 10:09	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			12/23/2022 10:09	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			12/23/2022 10:09	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			12/23/2022 10:09	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

Well Description:	***MW-3A-202212***	**Well #:**	***133***	**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	415	60	300	1.2	ug/L

Well Description:	***MW-3B-202212***	**Well #:**	***134***	**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	87.7	60	300	1.2	ug/L
Vinyl chloride	39175	0.060	0.02	0.20	0.019	ug/L

Well Description:	***P-103D-202212***	**Well #:**	***141***	**Sample Date**	**12/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	78.4	60	300	1.2	ug/L
Vinyl chloride	39175	0.19	0.02	0.20	0.019	ug/L

Well Description:	***P-107D-202212***	**Well #:**	***119***	**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	171	60	300	1.2	ug/L
Vinyl chloride	39175	4.7	0.02	0.20	0.019	ug/L

Well Description:	***P-111D-202212***	**Well #:**	***130***	**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	3.1	0.02	0.20	0.019	ug/L

Well Description:	***P-114-202212***	**Well #:**	***140***	**Sample Date**	**12/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	7.0	0.02	0.20	0.019	ug/L

Well Description:	***P-115-202212***	**Well #:**	***142***	**Sample Date**	**12/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	101	60	300	1.2	ug/L
Vinyl chloride	39175	0.36	0.02	0.20	0.019	ug/L

Well Description:	***P-116-202212***	**Well #:**	***143***	**Sample Date**	**12/15/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	73.9	60	300	1.2	ug/L

Well Description:	***P-117-202212***	**Well #:**	***144***	**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	184	60	300	1.2	ug/L

Well Description:	***P-117-202212***	**Well #:**	***144***		**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Vinyl chloride	39175	1.1	0.02	0.20	0.019	ug/L	

Well Description:	***P-118-202212***	**Well #:**	***145***		**Sample Date**	**12/14/2022**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Vinyl chloride	39175	0.12	0.02	0.20	0.019	ug/L	

Summary of Detected Organic Compounds

01/04/2023

Location/Landfill: **RIPON SUPERFUND LF** **License #:** **00467** Page 1 of 20

Well Description: ***DUP-01-202212*** **Well #:**

Parameter	Sample Date								
	12/15/2022	9/28/2022	9/27/2022	6/21/2022	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021
Benzene	0.039		0.023						
Chloroethane				0.79			0.55		
cis-1,2-Dichloroethene	0.28	0.21	0.61	3.4	0.18	2.0	1.9	1.8	1.8
Dichlorodifluoromethane							0.20		
Tetrahydrofuran									0.75
Trichloroethene	0.068		0.071						
Vinyl chloride	0.21	0.29	0.78	3.6	0.34	8.4	10	7.7	7.4

Well Description: ***MW-103-202209*** **Well #:** ***112***

Parameter	Sample Date			
	9/27/2022	6/21/2022	9/8/2021	6/18/2021
cis-1,2-Dichloroethene	0.075	0.074	0.11	0.13
Tetrachloroethene	0.21	0.22	0.22	0.24
Trichloroethene	0.68	0.78	0.85	1.1

Well Description: ***MW-104-202206*** **Well #:** ***113***

Parameter	Sample Date	
	6/21/2022	6/18/2021
1,4-Dichlorobenzene	1.4	1.7
Acetone	1.6	1.00
Benzene	0.069	0.053
Carbon disulfide	0.29	
Chlorobenzene	3.6	3.9
cis-1,2-Dichloroethene	0.069	0.056
Diisopropyl ether		0.038
Isopropylbenzene	0.095	0.16
Methyl tert-butyl ether	0.052	0.066
sec-Butylbenzene	0.059	0.078
Toluene	0.025	
Vinyl chloride	0.045	

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

Parameter	Sample Date
	9/8/2021
cis-1,2-Dichloroethene	0.038

Well Description: ***P-106-202206*** **Well #:** ***116***

Parameter	Sample Date	
	6/21/2022	6/18/2021
Trichloroethene	0.13	0.14

Well Description: ***P-107-202206*** **Well #:** ***118***

Parameter	Sample Date	
	6/21/2022	6/18/2021
Benzene	0.023	
cis-1,2-Dichloroethene	0.27	0.27
Trichloroethene	0.10	0.084
Vinyl chloride	0.68	0.74

Well Description: ***P-107D-202212*** **Well #:** ***119***

Parameter	Sample Date							
	12/14/2022	9/27/2022	6/21/2022	3/22/2022	11/16/2021	9/8/2021	6/17/2021	3/25/2021
1,1-Dichloroethane	0.028	0.024			0.020			0.023
1,2,4-Trimethylbenzene	0.020				0.018	0.018	0.014	0.019
Chloroethane	1.4	1.1	1.3	1.2	1.4	0.69	1.3	1.9
cis-1,2-Dichloroethene	1.9	1.9	1.7	1.7	1.8	0.62	1.5	2.0
Dichlorodifluoromethane	0.18	0.23						
Tetrahydrofuran		2.0						0.84
Toluene								0.014
Trichloroethene	0.13	0.15	0.096	0.11	0.10	0.047	0.059	0.15
Vinyl chloride	4.7	4.6	5.1	4.0	5.0	2.1	5.4	4.3

Well Description: ***MW-112-202206*** **Well #:** ***121***

Parameter	Sample Date			
	9/27/2022	6/21/2022	9/8/2021	6/18/2021
Chlorobenzene		0.12	0.072	0.083
cis-1,2-Dichloroethene	0.042	0.051	0.057	0.059
Tetrachloroethene		0.052	0.10	0.084
Trichloroethene	0.085	0.18	0.27	0.30

Well Description: ***P-111D-202212*** **Well #:** ***130***

Parameter	Sample Date							
	12/14/2022	9/27/2022	6/21/2022	3/23/2022	11/16/2021	9/8/2021	6/17/2021	3/25/2021
Chloroethane	0.61	0.51	0.78	0.62	0.84	0.86	0.76	0.93
cis-1,2-Dichloroethene	3.0	3.1	3.4	3.3	3.4	3.3	3.3	3.0
Dichlorodifluoromethane	0.16							
Methyl tert-butyl ether								0.024
Tetrahydrofuran								0.57
trans-1,2-Dichloroethene	0.054			0.055	0.038	0.043		0.050
Vinyl chloride	3.1	2.7	3.5	3.0	3.6	4.2	3.2	3.2

Well Description: ***MW-3B-202212*** **Well #:** ***134***

Parameter	Sample Date						
	12/14/2022	9/27/2022	6/21/2022	3/22/2022	11/16/2021	9/8/2021	3/25/2021
cis-1,2-Dichloroethene	0.043	0.040			0.037		0.032
Vinyl chloride	0.060	0.055	0.052	0.046	0.066	0.061	0.042

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

Parameter	Sample Date
	9/9/2021
Chloromethane	0.079

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

Parameter	Sample Date							
	12/15/2022	9/28/2022	6/22/2022	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021
Chloroethane								0.47
cis-1,2-Dichloroethene	1.6	1.7	1.9	1.8	1.9	1.8	1.9	1.8
Dichlorodifluoromethane	0.16					0.18		
Tetrahydrofuran								0.65
trans-1,2-Dichloroethene								0.028
Vinyl chloride	7.0	5.5	8.6	6.1	8.2	11	8.0	7.4

Well Description: ***P-103D-202212*** **Well #:** ***141***

Parameter	Sample Date							
	12/15/2022	9/27/2022	6/21/2022	3/22/2022	11/16/2021	9/8/2021	6/18/2021	3/25/2021
Benzene	0.033	0.026	0.026	0.026	0.028	0.025	0.032	0.028
cis-1,2-Dichloroethene	0.25	0.23	0.27	0.27	0.31	0.27	0.31	0.30
Trichloroethene	0.067	0.084	0.073	0.056	0.067	0.063	0.075	0.076
Vinyl chloride	0.19	0.15	0.26	0.20	0.26	0.33	0.24	0.23

Well Description: ***P-115-202212*** **Well #:** ***142***

Parameter	Sample Date							
	12/15/2022	9/28/2022	6/22/2022	3/23/2022	11/17/2021	9/9/2021	6/17/2021	3/24/2021
cis-1,2-Dichloroethene	0.20	0.18	0.19	0.18	0.21	0.19	0.21	0.20
Vinyl chloride	0.36	0.29	0.44	0.33	0.48	0.63	0.53	0.52

Well Description: ***P-117-202212*** **Well #:** ***144***

Parameter	Sample Date							
	12/14/2022	9/27/2022	6/21/2022	3/23/2022	11/17/2021	9/8/2021	6/18/2021	3/25/2021
Benzene	0.029	0.024	0.023	0.023			0.022	0.029
Chloroethane						0.40		0.41
cis-1,2-Dichloroethene	0.68	0.66	0.65	0.71	0.72	0.75	0.75	0.75
Trichloroethene	0.060	0.066	0.052	0.049	0.057	0.048		0.054
Vinyl chloride	1.1	0.79	1.2	0.90	1.2	1.5	1.1	1.0

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

Parameter	Sample Date							
	12/14/2022	9/27/2022	6/21/2022	3/23/2022	11/17/2021	9/8/2021	6/18/2021	3/25/2021
Carbon disulfide							0.12	
Toluene								0.020
Vinyl chloride	0.12	0.11	0.11	0.091	0.11	0.13	0.087	0.086

Well Description: ***LC-1-202206*** **Well #:** ***301***

Parameter	Sample Date	
	6/22/2022	6/18/2021
1,2,4-Trimethylbenzene	10	50
1,3,5-Trimethylbenzene	3.5	18
Chlorobenzene		6.0
Ethylbenzene	5.4	17
m & p-Xylene	34	120
Methylene chloride		19
Naphthalene	6.0	51
n-Butylbenzene	1.7	
o-Xylene	3.9	9.0
Tetrahydrofuran	82	200

Well Description: ***LC-2-202206*** **Well #:** ***302***

Parameter	Sample Date	
	6/22/2022	6/18/2021
1,2,4-Trimethylbenzene	70	73
1,3,5-Trimethylbenzene	12	12
1,4-Dichlorobenzene	14	15
2-Chlorotoluene	2.0	
Benzene	12	12
Chlorobenzene	56	46
Ethylbenzene	10	13
Isopropylbenzene	9.5	9.7
m & p-Xylene	300	330
Methyl tert-butyl ether	1.7	
Methylene chloride		8.8
Naphthalene	13	19
n-Butylbenzene	2.0	
n-Propylbenzene	8.4	9.6
p-Isopropyltoluene	2.2	
tert-Butylbenzene		11
Tetrahydrofuran	210	230

Well Description: ***LC-3-202206*** **Well #:** ***303***

Parameter	Sample Date 6/22/2022	6/18/2021
1,2,4-Trimethylbenzene	3.6	
1,3,5-Trimethylbenzene	1.6	
2-Butanone	46	28
Acetone	120	66
Carbon disulfide	4.3	7.6
cis-1,2-Dichloroethene	56	12
Ethylbenzene	8.6	4.0
m & p-Xylene	83	7.6
Methylene chloride		9.8
Naphthalene		8.7
o-Xylene	28	
Tetrahydrofuran	65	43
Toluene	32	2.4
Vinyl chloride	3.6	

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

Parameter	Sample Date							
	12/14/2022	9/27/2022	6/21/2022	3/22/2022	11/17/2021	9/9/2021	6/18/2021	3/25/2021
Acetone			1.3		1.3		2.0	
Chloroform						0.024		
Methylene chloride	0.41	0.24	1.2	0.53	0.30		0.25	0.34
Tetrahydrofuran		1.4						

QC Summary Report

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

SDG #: 0 **Folder #: 174381** **Project #: 472213 PH 1**

Duplicate

Analytical Run #:	268131	Analysis Date:	12/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1275951	Analysis Time:	11:11	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1274303	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	19.7	mg/L	20					2	10

Lab Control Spike Water

Analytical Run #:	268131	Analysis Date:	12/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1275949	Analysis Time:	07:59	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	24.20	mg/L			25.00	97	80 --- 120		

Method Blank Water

Analytical Run #:	268131	Analysis Date:	12/21/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1275950	Analysis Time:	08:26	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 #:	268131	Analysis Date:	12/21/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1275952	Analysis Time:	11:33	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1274303	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	26.2	mg/L	20		8.00	78	49 --- 120		20

Lab Control Spike Water

Analytical Run #:	268206	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276586	Analysis Time:	12:28	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	5.070	mg/L			5.0	101	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	5.070	mg/L			5.0	101	90 --- 110		

Method Blank Water

Analytical Run #:	268206	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276587	Analysis Time:	12:29	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

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

Matrix Spike Duplicate Water

Analytical Run #:	268206	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276854	Analysis Time:	13:03	Prep Date/Time:		Method:	
Parent Sample #:	1276853	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.97	mg/L	BDL		2.0	98	90 --- 110	7	20

Matrix Spike Water

Analytical Run #:	268206	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276853	Analysis Time:	13:02	Prep Date/Time:		Method:	
Parent Sample #:	1274313	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	2.12	mg/L	BDL		2.0	106	90 --- 110		20

Lab Control Spike Water

Analytical Run #:	268207	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276588	Analysis Time:	13:04	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen Total	4.970	mg/L			5.0	99	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	4.970	mg/L			5.0	99	90 --- 110		

Method Blank Water

Analytical Run #:	268207	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276589	Analysis Time:	13:05	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

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

Matrix Spike Duplicate Water

Analytical Run #:	268207	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276880	Analysis Time:	13:11	Prep Date/Time:		Method:	
Parent Sample #:	1276877	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.91	mg/L	BDL		2.0	96	90 --- 110	1	20

Matrix Spike Water

Analytical Run #:	268207	Analysis Date:	12/27/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276877	Analysis Time:	13:08	Prep Date/Time:		Method:	
Parent Sample #:	1274314	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.92	mg/L	BDL		2.0	96	90 --- 110		20

Matrix Spike Duplicate Water

Analytical Run #:	268047	Analysis Date:	12/19/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1275004	Analysis Time:	14:45	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1275003	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1140	ug/L	415		1000	72	67 --- 121	0	13

Matrix Spike Water

Analytical Run #:	268047	Analysis Date:	12/19/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1275003	Analysis Time:	14:38	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1274303	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1140	ug/L	415		1000	72	67 --- 121		13

Lab Control Spike Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276348	Analysis Time:	08:16	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	3.96	ug/L			4.0	99	78	---	121		20
1,1,1-Trichloroethane	3.95	ug/L			4.0	99	82	---	122		20
1,1,2,2-Tetrachloroethane	3.76	ug/L			4.0	94	68	---	128		20
1,1,2-Trichloroethane	3.70	ug/L			4.0	92	84	---	114		20
1,1-Dichloroethane	3.99	ug/L			4.0	100	76	---	122		20
1,1-Dichloroethene	4.30	ug/L			4.0	108	83	---	123		20
1,1-Dichloropropene	4.19	ug/L			4.0	105	85	---	120		20
1,2 Dichloroethane-d4	101	% Recovery			100	101	87	---	107		
1,2,3-Trichlorobenzene	4.06	ug/L			4.0	102	78	---	121		20
1,2,3-Trichloropropane	3.92	ug/L			4.0	98	62	---	129		20
1,2,4-Trichlorobenzene	4.03	ug/L			4.0	101	80	---	120		20
1,2,4-Trimethylbenzene	3.96	ug/L			4.0	99	76	---	125		20
1,2-Dibromo-3-chloropropane	3.98	ug/L			4.0	100	69	---	125		20
1,2-Dibromoethane	3.86	ug/L			4.0	96	80	---	118		20
1,2-Dichlorobenzene	4.06	ug/L			4.0	102	80	---	117		20
1,2-Dichloroethane	3.89	ug/L			4.0	97	78	---	118		20
1,2-Dichloropropane	3.93	ug/L			4.0	98	78	---	121		20
1,3,5-Trimethylbenzene	4.04	ug/L			4.0	101	76	---	126		20
1,3-Dichlorobenzene	4.05	ug/L			4.0	101	78	---	119		20
1,3-Dichloropropane	3.71	ug/L			4.0	93	82	---	117		20
1,4-Dichlorobenzene	4.03	ug/L			4.0	101	77	---	118		20
2,2-Dichloropropane	4.30	ug/L			4.0	108	71	---	133		20
2-Butanone	38.7	ug/L			40.0	97	80	---	120		20
2-Chlorotoluene	4.00	ug/L			4.0	100	73	---	124		20
2-Hexanone	38.9	ug/L			40.0	97	73	---	127		20
4-Chlorotoluene	4.07	ug/L			4.0	102	74	---	125		20
4-Methyl-2-pentanone	39.2	ug/L			40.0	98	77	---	125		20
Acetone	38.9	ug/L			40.0	97	72	---	117		20
Benzene	3.85	ug/L			4.0	96	82	---	118		20
Bromobenzene	4.04	ug/L			4.0	101	77	---	118		20
Bromochloromethane	3.81	ug/L			4.0	95	81	---	116		20
Bromodichloromethane	3.83	ug/L			4.0	96	80	---	122		20
Bromofluorobenzene	99.0	% Recovery			100	99.0	90	---	108		
Bromoform	3.94	ug/L			4.0	98	72	---	124		20
Bromomethane	4.44	ug/L			4.0	111	25	---	156		20
Carbon disulfide	8.19	ug/L			8.0	102	81	---	124		20
Carbon tetrachloride	4.35	ug/L			4.0	109	87	---	129		20
Chlorobenzene	3.96	ug/L			4.0	99	78	---	118		20
Chloroethane	4.09	ug/L			4.0	102	73	---	126		20
Chloroform	3.86	ug/L			4.0	96	76	---	119		20
Chloromethane	4.08	ug/L			4.0	102	70	---	121		20
cis-1,2-Dichloroethene	3.80	ug/L			4.0	95	82	---	118		20

Lab Control Spike Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276348	Analysis Time:	08:16	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	3.92	ug/L			4.0	98	81 --- 123		20
d8-Toluene	100	% Recovery			100	100	93 --- 108		
Dibromochloromethane	3.87	ug/L			4.0	97	76 --- 124		20
Dibromofluoromethane	99.0	% Recovery			100	99.0	93 --- 106		
Dibromomethane	3.80	ug/L			4.0	95	83 --- 115		20
Dichlorodifluoromethane	4.44	ug/L			4.0	111	78 --- 126		20
Diisopropyl ether	3.97	ug/L			4.0	99	75 --- 125		20
Ethylbenzene	3.93	ug/L			4.0	98	78 --- 125		20
Hexachlorobutadiene	3.97	ug/L			4.0	99	79 --- 123		20
Isopropylbenzene	4.03	ug/L			4.0	101	81 --- 124		20
m & p-Xylene	8.02	ug/L			8.0	100	80 --- 123		20
Methyl tert-butyl ether	3.91	ug/L			4.0	98	82 --- 116		20
Methylene chloride	3.90	ug/L			4.0	98	73 --- 128		20
n-Butylbenzene	3.99	ug/L			4.0	100	76 --- 127		20
n-Propylbenzene	4.09	ug/L			4.0	102	75 --- 129		20
Naphthalene	3.80	ug/L			4.0	95	64 --- 129		20
o-Xylene	3.94	ug/L			4.0	98	81 --- 121		20
p-Isopropyltoluene	4.09	ug/L			4.0	102	79 --- 126		20
sec-Butylbenzene	4.07	ug/L			4.0	102	76 --- 128		20
Styrene	3.99	ug/L			4.0	100	81 --- 122		20
tert-Butylbenzene	4.11	ug/L			4.0	103	76 --- 125		20
Tetrachloroethene	4.13	ug/L			4.0	103	82 --- 123		20
Tetrahydrofuran	40.3	ug/L			40.0	101	69 --- 122		20
Toluene	3.89	ug/L			4.0	97	82 --- 119		20
trans-1,2-Dichloroethene	3.77	ug/L			4.0	94	80 --- 122		20
trans-1,3-Dichloropropene	3.92	ug/L			4.0	98	83 --- 119		20
Trichloroethene	3.82	ug/L			4.0	96	82 --- 120		20
Trichlorofluoromethane	4.29	ug/L			4.0	107	78 --- 130		20
Vinyl acetate	40.5	ug/L			40.0	101	63 --- 136		20
Vinyl chloride	3.96	ug/L			4.0	99	73 --- 127		20

Method Blank Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276357	Analysis Time:	09:40	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	103	% Recovery			100	103	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	0.84	ug/L		U	0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	100	% Recovery			100	100	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 #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1276357	Analysis Time:	09:40	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	99.0	% Recovery			100	99.0	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	99.0	% Recovery			100	99.0	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	0.020	ug/L		U	0		0.020		
m & p-Xylene	0.030	ug/L		U	0		0.030		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.020	ug/L		U	0		0.020		
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	0.021	ug/L		U	0		0.021		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.020	ug/L		U	0		0.020		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.020	ug/L		U	0		0.020		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Matrix Spike Duplicate Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276556	Analysis Time:	17:14	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1276555	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	3.99	ug/L	BDL		4.0	100	67 --- 122	4	21
1,1,1-Trichloroethane	4.58	ug/L	BDL		4.0	114	69 --- 128	5	20
1,1,2,2-Tetrachloroethane	3.87	ug/L	BDL		4.0	97	54 --- 130	3	22
1,1,2-Trichloroethane	3.87	ug/L	BDL		4.0	97	67 --- 116	5	25
1,1-Dichloroethane	4.36	ug/L	BDL		4.0	109	64 --- 124	6	25
1,1-Dichloroethene	4.75	ug/L	BDL		4.0	119	70 --- 130	9	24
1,1-Dichloropropene	4.67	ug/L	BDL		4.0	117	74 --- 127	7	21
1,2 Dichloroethane-d4	101	% Recovery			100	101	86 --- 106	0	7
1,2,3-Trichlorobenzene	4.44	ug/L	BDL		4.0	111	56 --- 134	14	31
1,2,3-Trichloropropane	3.19	ug/L	BDL		4.0	80	54 --- 117	3	26
1,2,4-Trichlorobenzene	4.35	ug/L	BDL		4.0	109	56 --- 133	13	29
1,2,4-Trimethylbenzene	4.14	ug/L	BDL		4.0	104	63 --- 132	7	36
1,2-Dibromo-3-chloropropane	3.70	ug/L	BDL		4.0	92	48 --- 121	10	34
1,2-Dibromoethane	3.85	ug/L	BDL		4.0	96	66 --- 114	3	22
1,2-Dichlorobenzene	4.08	ug/L	BDL		4.0	102	63 --- 124	4	23
1,2-Dichloroethane	4.10	ug/L	BDL		4.0	102	60 --- 117	1	21
1,2-Dichloropropane	4.14	ug/L	BDL		4.0	104	67 --- 121	4	19
1,3,5-Trimethylbenzene	4.29	ug/L	BDL		4.0	107	68 --- 130	6	34
1,3-Dichlorobenzene	4.08	ug/L	BDL		4.0	102	66 --- 126	5	22
1,3-Dichloropropane	3.86	ug/L	BDL		4.0	96	67 --- 114	2	23
1,4-Dichlorobenzene	4.11	ug/L	BDL		4.0	103	65 --- 125	7	22
2,2-Dichloropropane	4.35	ug/L	BDL		4.0	109	57 --- 136	3	21
2-Butanone	36.8	ug/L	BDL		40.0	92	67 --- 110	3	29
2-Chlorotoluene	4.26	ug/L	BDL		4.0	106	61 --- 134	6	20
2-Hexanone	40.3	ug/L	BDL		40.0	101	51 --- 128	5	28
4-Chlorotoluene	4.27	ug/L	BDL		4.0	107	65 --- 129	5	22
4-Methyl-2-pentanone	40.8	ug/L	BDL		40.0	102	55 --- 125	3	29
Acetone	37.9	ug/L	BDL		40.0	95	41 --- 101	11	39
Benzene	4.09	ug/L	BDL		4.0	102	71 --- 120	3	17
Bromobenzene	4.12	ug/L	BDL		4.0	103	63 --- 129	8	20
Bromochloromethane	3.79	ug/L	BDL		4.0	95	69 --- 113	5	22
Bromodichloromethane	3.83	ug/L	BDL		4.0	96	66 --- 119	2	20
Bromofluorobenzene	101	% Recovery			100	101	75 --- 124	0	7
Bromoform	3.17	ug/L	BDL		4.0	79	57 --- 116	2	28
Bromomethane	4.43	ug/L	0.061		4.0	109	11 --- 144	5	34
Carbon disulfide	8.28	ug/L	BDL		8.0	104	62 --- 136	6	31
Carbon tetrachloride	4.97	ug/L	BDL		4.0	124	80 --- 133	4	20
Chlorobenzene	4.04	ug/L	BDL		4.0	101	69 --- 120	4	21
Chloroethane	4.45	ug/L	BDL		4.0	111	61 --- 129	1	26
Chloroform	4.02	ug/L	BDL		4.0	100	64 --- 121	2	18
Chloromethane	4.75	ug/L	BDL		4.0	119	58 --- 120	1	21
cis-1,2-Dichloroethene	3.95	ug/L	BDL		4.0	99	71 --- 117	5	21

Matrix Spike Duplicate Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276556	Analysis Time:	17:14	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1276555	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	3.79	ug/L	BDL		4.0	95	66	---	116	5	21
d8-Toluene	100	% Recovery			100	100	94	---	105	0	7
Dibromochloromethane	3.73	ug/L	BDL		4.0	93	64	---	115	6	23
Dibromofluoromethane	100	% Recovery			100	100	90	---	108	0	7
Dibromomethane	3.85	ug/L	BDL		4.0	96	68	---	111	1	21
Dichlorodifluoromethane	5.69	ug/L	BDL		4.0	142	68	---	141	2	22
Diisopropyl ether	4.23	ug/L	BDL		4.0	106	57	---	129	3	27
Ethylbenzene	4.15	ug/L	BDL		4.0	104	70	---	128	2	24
Hexachlorobutadiene	4.54	ug/L	BDL		4.0	114	57	---	146	4	30
Isopropylbenzene	4.31	ug/L	BDL		4.0	108	72	---	131	2	24
m & p-Xylene	8.25	ug/L	BDL		8.0	103	70	---	128	3	28
Methyl tert-butyl ether	3.85	ug/L	BDL		4.0	96	60	---	116	4	33
Methylene chloride	3.89	ug/L	BDL		4.0	97	29	---	139	4	36
n-Butylbenzene	4.55	ug/L	BDL		4.0	114	67	---	136	5	24
n-Propylbenzene	4.48	ug/L	BDL		4.0	112	64	---	143	6	23
Naphthalene	4.10	ug/L	BDL		4.0	102	58	---	122	18	31
o-Xylene	4.01	ug/L	BDL		4.0	100	71	---	123	1	26
p-Isopropyltoluene	4.44	ug/L	BDL		4.0	111	71	---	135	4	27
sec-Butylbenzene	4.60	ug/L	BDL		4.0	115	71	---	137	5	23
Styrene	3.91	ug/L	BDL		4.0	98	70	---	125	2	40
tert-Butylbenzene	4.51	ug/L	BDL		4.0	113	70	---	133	7	22
Tetrachloroethene	4.47	ug/L	BDL		4.0	112	75	---	127	5	21
Tetrahydrofuran	42.1	ug/L	BDL		40.0	105	48	---	111	5	28
Toluene	4.07	ug/L	BDL		4.0	102	71	---	120	4	19
trans-1,2-Dichloroethene	4.02	ug/L	BDL		4.0	100	72	---	121	4	28
trans-1,3-Dichloropropene	3.73	ug/L	BDL		4.0	93	69	---	109	5	21
Trichloroethene	4.14	ug/L	BDL		4.0	104	73	---	118	4	19
Trichlorofluoromethane	5.25	ug/L	BDL		4.0	131	75	---	134	1	23
Vinyl acetate	39.4	ug/L	BDL		40.0	98	55	---	127	2	25
Vinyl chloride	4.77	ug/L	BDL		4.0	119	61	---	130	2	21

Matrix Spike Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276555	Analysis Time:	16:46	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1274303	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	3.84	ug/L	BDL		4.0	96	67 --- 122		21
1,1,1-Trichloroethane	4.37	ug/L	BDL		4.0	109	69 --- 128		20
1,1,2,2-Tetrachloroethane	3.76	ug/L	BDL		4.0	94	54 --- 130		22
1,1,2-Trichloroethane	3.69	ug/L	BDL		4.0	92	67 --- 116		25
1,1-Dichloroethane	4.12	ug/L	BDL		4.0	103	64 --- 124		25
1,1-Dichloroethene	4.35	ug/L	BDL		4.0	109	70 --- 130		24
1,1-Dichloropropene	4.34	ug/L	BDL		4.0	108	74 --- 127		21
1,2 Dichloroethane-d4	94.0	% Recovery			100	94.0	86 --- 106		7
1,2,3-Trichlorobenzene	3.87	ug/L	BDL		4.0	97	56 --- 134		31
1,2,3-Trichloropropane	3.29	ug/L	BDL		4.0	82	54 --- 117		26
1,2,4-Trichlorobenzene	3.82	ug/L	BDL		4.0	96	56 --- 133		29
1,2,4-Trimethylbenzene	3.88	ug/L	BDL		4.0	97	63 --- 132		36
1,2-Dibromo-3-chloropropane	3.36	ug/L	BDL		4.0	84	48 --- 121		34
1,2-Dibromoethane	3.73	ug/L	BDL		4.0	93	66 --- 114		22
1,2-Dichlorobenzene	3.93	ug/L	BDL		4.0	98	63 --- 124		23
1,2-Dichloroethane	4.06	ug/L	BDL		4.0	102	60 --- 117		21
1,2-Dichloropropane	3.99	ug/L	BDL		4.0	100	67 --- 121		19
1,3,5-Trimethylbenzene	4.06	ug/L	BDL		4.0	102	68 --- 130		34
1,3-Dichlorobenzene	3.88	ug/L	BDL		4.0	97	66 --- 126		22
1,3-Dichloropropane	3.79	ug/L	BDL		4.0	95	67 --- 114		23
1,4-Dichlorobenzene	3.84	ug/L	BDL		4.0	96	65 --- 125		22
2,2-Dichloropropane	4.23	ug/L	BDL		4.0	106	57 --- 136		21
2-Butanone	37.8	ug/L	BDL		40.0	94	67 --- 110		29
2-Chlorotoluene	4.00	ug/L	BDL		4.0	100	61 --- 134		20
2-Hexanone	38.5	ug/L	BDL		40.0	96	51 --- 128		28
4-Chlorotoluene	4.05	ug/L	BDL		4.0	101	65 --- 129		22
4-Methyl-2-pentanone	39.6	ug/L	BDL		40.0	99	55 --- 125		29
Acetone	34.0	ug/L	BDL		40.0	85	41 --- 101		39
Benzene	3.95	ug/L	BDL		4.0	99	71 --- 120		17
Bromobenzene	3.81	ug/L	BDL		4.0	95	63 --- 129		20
Bromochloromethane	3.61	ug/L	BDL		4.0	90	69 --- 113		22
Bromodichloromethane	3.74	ug/L	BDL		4.0	94	66 --- 119		20
Bromofluorobenzene	98.0	% Recovery			100	98.0	75 --- 124		7
Bromoform	3.24	ug/L	BDL		4.0	81	57 --- 116		28
Bromomethane	4.21	ug/L	0.061		4.0	104	11 --- 144		34
Carbon disulfide	7.82	ug/L	BDL		8.0	98	62 --- 136		31
Carbon tetrachloride	4.77	ug/L	BDL		4.0	119	80 --- 133		20
Chlorobenzene	3.89	ug/L	BDL		4.0	97	69 --- 120		21
Chloroethane	4.41	ug/L	BDL		4.0	110	61 --- 129		26
Chloroform	3.93	ug/L	BDL		4.0	98	64 --- 121		18
Chloromethane	4.78	ug/L	BDL		4.0	120	58 --- 120		21
cis-1,2-Dichloroethene	3.76	ug/L	BDL		4.0	94	71 --- 117		21

Matrix Spike Water

Analytical Run #:	268083	Analysis Date:	12/23/2022	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1276555	Analysis Time:	16:46	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1274303	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	3.62	ug/L	BDL		4.0	90	66	---	116		21
d8-Toluene	101	% Recovery			100	101	94	---	105		7
Dibromochloromethane	3.50	ug/L	BDL		4.0	88	64	---	115		23
Dibromofluoromethane	98.0	% Recovery			100	98.0	90	---	108		7
Dibromomethane	3.87	ug/L	BDL		4.0	97	68	---	111		21
Dichlorodifluoromethane	5.59	ug/L	BDL		4.0	140	68	---	141		22
Diisopropyl ether	4.10	ug/L	BDL		4.0	102	57	---	129		27
Ethylbenzene	4.06	ug/L	BDL		4.0	102	70	---	128		24
Hexachlorobutadiene	4.37	ug/L	BDL		4.0	109	57	---	146		30
Isopropylbenzene	4.22	ug/L	BDL		4.0	106	72	---	131		24
m & p-Xylene	8.01	ug/L	BDL		8.0	100	70	---	128		28
Methyl tert-butyl ether	3.70	ug/L	BDL		4.0	92	60	---	116		33
Methylene chloride	3.75	ug/L	BDL		4.0	94	29	---	139		36
n-Butylbenzene	4.33	ug/L	BDL		4.0	108	67	---	136		24
n-Propylbenzene	4.22	ug/L	BDL		4.0	106	64	---	143		23
Naphthalene	3.42	ug/L	BDL		4.0	86	58	---	122		31
o-Xylene	3.97	ug/L	BDL		4.0	99	71	---	123		26
p-Isopropyltoluene	4.25	ug/L	BDL		4.0	106	71	---	135		27
sec-Butylbenzene	4.36	ug/L	BDL		4.0	109	71	---	137		23
Styrene	3.84	ug/L	BDL		4.0	96	70	---	125		40
tert-Butylbenzene	4.22	ug/L	BDL		4.0	106	70	---	133		22
Tetrachloroethene	4.27	ug/L	BDL		4.0	107	75	---	127		21
Tetrahydrofuran	39.9	ug/L	BDL		40.0	100	48	---	111		28
Toluene	3.93	ug/L	BDL		4.0	98	71	---	120		19
trans-1,2-Dichloroethene	3.88	ug/L	BDL		4.0	97	72	---	121		28
trans-1,3-Dichloropropene	3.56	ug/L	BDL		4.0	89	69	---	109		21
Trichloroethene	3.97	ug/L	BDL		4.0	99	73	---	118		19
Trichlorofluoromethane	5.19	ug/L	BDL		4.0	130	75	---	134		23
Vinyl acetate	38.4	ug/L	BDL		40.0	96	55	---	127		25
Vinyl chloride	4.69	ug/L	BDL		4.0	117	61	---	130		21

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	174381	Print Date / Time:	12/19/2022	08:28	
Client:	TRC ENVIRONMENTAL	Received Date / Time / By:	12/17/2022	10:00	SJP
Project Name:	RIPON FF/NN LANDFILL	Log-In Date / Time / By:	12/19/2022	08:28	erc
Project Phase:	RIPON, WI	Project #:	472213 PH 1		PM: BMS
Coolers:	6226, 6734	Temperature:	<2.9 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:	3923 0989 9686, "1001 4255		
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**		

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

TWO (2) CUSTODY SEALS WERE PRESENT AND INTACT ON EACH COOLER UPON RECEIPT - ALL WERE DATED 12/16/22 AND SIGNED.

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1274303	MW-3A-202212				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1274303	MW-3A-202212				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1274303	MW-3A-202212				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1274303	MW-3A-202212				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1274304	MW-3B-202212				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1274304	MW-3B-202212				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		

1274304	MW-3B-202212						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1274304	MW-3B-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1274305	P-103D-202212						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1274305	P-103D-202212						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1274305	P-103D-202212						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1274305	P-103D-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1274306	P-107D-202212						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1274306	P-107D-202212						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1274306	P-107D-202212						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1274306	P-107D-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1274307	P-111D-202212				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1274307	P-111D-202212				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1274307	P-111D-202212				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1274307	P-111D-202212				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1274308	P-113A-202212				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1274308	P-113A-202212				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1274308	P-113A-202212				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1274308	P-113A-202212				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	N / N	VOC
		Total # of Containers of Type (*VOA HCL*) = 4			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1274309	P-113B-202212				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1274309	P-113B-202212				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1274309	P-113B-202212				

		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1274309	P-113B-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**			**Tests**
1274310	P-114-202212						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1274310	P-114-202212						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1274310	P-114-202212						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1274310	P-114-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**			**Tests**
1274311	P-115-202212						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**				
1274311	P-115-202212						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**				
1274311	P-115-202212						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**				
1274311	P-115-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 4**				
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**			**Tests**

1274312	P-116-202212						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1274312	P-116-202212						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1274312	P-116-202212						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1274312	P-116-202212						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1	N	/	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1274313	P-117-202212					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1274313	P-117-202212					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1274313	P-117-202212					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1274313	P-117-202212					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	N /	N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?		Tests
1274314	P-118-202212					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1274314	P-118-202212					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1274314	P-118-202212					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1274314	P-118-202212				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1 N	/ N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
1274315	DUP-01-202212				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1274315	DUP-01-202212				
		HNO3	1 Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1274315	DUP-01-202212				
		H2SO4 PL	1 Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1274315	DUP-01-202212				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1 N	/ N	VOC
		Total # of Containers of Type	(***VOA HCL***) = **4**		
1274316	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

Company: TRC Env.
Project Contact: Wesley Brayer/ Andy Stehn
Telephone: 608-234-7374
Project Name: FF/NN Landfill Quarterly
Project #: 472213 Ph 1
Location: Ripon, WI
Sampled By: Wesley Brayer

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

Folder #: 174381
Company: TRC ENVIRONMENTAL
Project: RIPON SUPERFUND LF
Logged By: erc PM BMS

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 179575

Report To:
EMAIL: Astehn@trccompanies.com
Company: TRC
Address: 999 Fourier Dr. Ste 1
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

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	VOC, Low Level (8260C)	Sulfate (9056A)	Diss. Manganese (6010C)	Nitrate + Nitrite (353.2)											Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							ANALYSES REQUESTED																
							Fill in Spaces with Bottles per Test																
12/14/22	1611	GW	G		MW-3A-202212	Y	X	X	X	X											7		174305
12/14/22	1651	GW	G		MW-3B-202212	Y	X	X	X	X											7		04
12/15/22	1007	GW	G		~~RBW~~-P-103D-202212	Y	X	X	X	X											7		05
12/14/22	1153	GW	G		P-107D-202212	Y	X	X	X	X											7		06
12/15/22	1304	GW	G		P-111D-202212	Y	X	X	X	X											7		07
12/15/22	1121	GW	G		P-113A-202212	Y	X	X	X	X											7		08
12/15/22	1206	GW	G		P-113B-202212	Y	X	X	X	X											7		09
12/15/22	1509	GW	G		P-114-202212	Y	X	X	X	X											7		10
12/15/22	1302	GW	G		P-115-202212	Y	X	X	X	X											7		11
12/15/22	1402	GW	G		P-116-202212	Y	X	X	X	X											7		12
12/14/22	1512	GW	G		P-117-202212	Y	X	X	X	X											7		13
12/14/22	1415	GW	G		P-118-202212	Y	X	X	X	X											7		14

Relinquished By:	Date/Time	Received By:	Date/Time
Wesley Brayer	12/16/22 13:00		12/16/22 757
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			12/16/22 846

Lab Use Only
Ice Present Yes No
Obs. Temp 4.4 IR Gun 27
Act. Temp _____ Cooler 6.2.6

6734

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Page 2 of 2

Company: TRC ENV
Project Contact: Wes Braga / Andy Stern
Telephone: 608-234-7374
Project Name: FF/NN Landfill Quarterly
Project #: 472213 Ph 1 179575
Location: Ripon, WI
Sampled By: Wesley Braga

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

Lab Use Only
Place Header Sticker Here:

174381

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 179575

Report To:
EMAIL:
Company:
Address: same as pg 1

Invoice To:*
EMAIL:
Company:
Address:

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

Client Special Instructions

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC Low level	Sulfate	Diss Manganese	Nitrate + Nitrite	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test						
12/15/22	—	GW			DUP-01-202212	Y	X	X	X	X	7		1274315
—	—	W	G		Trip Blank	N	X				4		-16

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
Wes Braga	12/16/22 13:00		12/19/22 757
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			12/19/22 946

Lab Use Only
Ice Present Yes No 27
Obs. Temp 2.9 IR Gun _____
Act. Temp _____ Cooler _____

6754

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 28

Actual Temperature _____

IR Gun # 27

Initials K

Date 12/9/22 Time 757

Cooler #: 6734

ORIGIN ID:MSNA (000) 000-0000
TRC
989 FOURIER DR STE 101
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 16DEC22
ACTWGT: 33.90 LB
CAD: 6991814/SSF02341
DIMS: 17x12x17 IN
BILL THIRD PARTY

TO
CT LABORATORIES
1230 LANGE CT
REFRENCE #472213
BARABOO WI 53913
(608) 356-2760
INV:
PO:
REF:
DEPT:

FedEx Express
REL# 3785346

TRK# 0201 3923 0989 9000

ATURDAY 12:00P
URITY OVERNIGHT
AHS
53913
WI-US MSN

55 LNRA

QEC Quality Environmental Containers 800-255-3950 • 304-255-3900
CUSTODY SEAL
DATE
SIGNATURE

QEC Quality Environmental Containers 800-255-3950 • 304-255-3900
CUSTODY SEAL
DATE
SIGNATURE

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 21

Actual Temperature _____

IR Gun # 27

Initials JO

Date 12/9/22 Time 757

Cooler #: 6226

ORIGIN ID:MSNA (000) 000-0000
TRC
999 FOURIER DR STE 101
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 16DEC22
ACTWGT: 55.15 LB
CAD: 6991814/SSF02341
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
CT LABORATORIES
1230 LANGE CT
REFRENCE #472213
BARABOO WI 53913
(608) 356-2760
REF: 472213
DEPT:

FedEx Express
REL# 3765346

TRK# 0201 3923 1001 4255

SATURDAY 12:00
PRIORITY OVERNIGH

55 LNRA

53913
WI-US MSN

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

CUSTODY SEAL
DATE 12/16/22
SIGNATURE

QEC Quality Environmental Containers 800-255-3900

CUSTODY SEAL
DATE 12/16/22
SIGNATURE