Quarterly Progress Report

Third Quarter 2021 Reporting Period

November 2021

FF/NN Landfill NPL Site
Ripon, Wisconsin

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TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 Introduction

In April 2019, TRC was retained by the FF/NN Landfill Potentially Responsible Party (PRP) Group (Group) to conduct operations and maintenance (O&M) and quarterly monitoring activities at the FF/NN Landfill NPL Site (Site), in Ripon, Wisconsin. This Quarterly Progress Report presents site activities during the Third Quarter (Q3) of 2021 (Reporting Period July 1 – September 30, 2021) and is intended to fulfill applicable portions of reporting requirements specified in the Revised Groundwater Monitoring Program (GMP) as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) (WDNR, 2013; 2017).

2.0 Quarterly Changes and Important Dates

This section describes important dates on which tasks were performed, changes in routine tasks, and exceptions to the GMP made in Q3 2021. No changes nor exceptions were made in Q3 2021 to monitoring, site activities, or to the GMP.

2.1 Dates of Importance

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

- September 8 and 9, 2021 – Quarter 3 2021 groundwater sampling event in accordance with the GMP (WDNR, 2013; 2017).
- September 30, 2021 – GEMS transmittal, Q2 2021 monitoring data.

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 on September 8, 2021. Field forms from the Q3 2021 measurement event are included in Appendix A and elevations are summarized in Table 1. Groundwater monitoring wells associated with the FF/NN Landfill site are grouped into four hydrostratigraphic units (Layer 1, Layer 2, Layer 3, and Layer 4) based on well screen elevations. Layer designations for the wells monitored during Q3 are included in Table 1.

3.1.1 Layer 4 Groundwater Elevations

The estimated groundwater flow direction in Layer 4 based on data collected in Q3 2021 is to the southwest as shown on Figure 1. 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. Jeremy Jess, Utility Manager for the City of Ripon, confirmed that Well #9 was periodically operational during the Q3 2021 sampling event, 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 2021 reporting period.

3.2.1 Third Quarter 2021

Groundwater samples were collected using low-flow or volume purge sampling methods from 15 monitoring wells/piezometers on September 8 and 9, 2021 by TRC. Groundwater samples were analyzed by CT Laboratories for volatile organic compounds (VOCs) (EPA Method 8260C), nitrate + nitrite as nitrogen (EPA 353.2), sulfate (EPA 9056A), and manganese (EPA 6010C). Field parameters were measured at all monitoring wells including dissolved oxygen (DO), oxygen-reduction potential (ORP), temperature, pH, and specific conductance. Field parameters were measured during sampling using an In-Situ Smart Troll MP meter and flow-through cell. Field forms are included in Appendix A and the laboratory analytical report is included in Appendix B. Groundwater results exceeding Wisconsin Administrative Code (WAC) Chapter NR 140 Enforcement Standards (ES) and Preventive Action Limits (PAL) are included in Table 2. A summary of results for all detected parameters is provided in Table 3.

3.2.1.1 Volatile Organic Compound Parameters

In the 15 wells sampled during Q3 2021, 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 the Q2 2021 sampling event, the TCE concentration in the sample collected from monitoring well MW-103 exceeded the PAL.
- One well, P-103, was sampled in Layer 2. Cis-1,2-DCE was the only VOC detected in the sample collected from P-103 during Q3 2021 and the concentration was estimated and reported below the PAL. Historically samples from this well have contained VC above the PAL, but VC was not detected in the sample collected during Q3 2021.
- Nine monitoring wells were sampled in Layer 3. VC exceeded the ES in samples collected from wells P-103D, P-111D, P-114, P-115, and P-117. VC was detected above the PAL in samples collected from monitoring wells MW-003B and P-118.
- Three monitoring wells were sampled in Layer 4. VC exceeded the ES in the sample collected from P-107D. This detection is within the historical range of concentrations detected in samples from this well.
- Other VOC detections were at concentrations below their respective PALs and are summarized in Table 3.
- Trip blanks and method blanks were analyzed during the Q3 2021 sampling event and results indicated:
  - Chloroform was the only detected parameter in the trip blank sample which was reported as an estimated concentration between the limit of detection and the limit of quantitation. In addition, this constituent was not reported in any of samples collected during the Q3 2021 sampling event.

3.3 Landfill Gas Extraction System Operations

The landfill gas extraction system (GES) has been operational since 2005 (GeoTrans, 2005). Landfill gas is extracted from gas vent GV-6 and the three deeper leachate collection wells (LC-1, LC-2, and LC-3). The other gas vents have remained closed to prevent oxygen levels from increasing above 5%. This subsection includes a discussion of system repairs and an evaluation of landfill gas monitoring results at the Site during Q3 2021. Table 4 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 2021.

3.3.2 Landfill Gas Measurements

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

3.3.2.1 Gas Extraction Well Monitoring

TRC or City of Ripon personnel were onsite on a biweekly basis while the system was operating between July 2 and September 29, 2021 to inspect and monitor the landfill gas extraction system. Gas measurements (% oxygen, methane, and carbon dioxide) and vacuum readings were periodically collected from the five gas extraction points (LC-1, LC-2, LC-3, GV-4, and GV-6) when the system was in operation. In addition, gas measurements were collected from gas probes GP-1 and GP-2, the blower exhaust, and ambient air (background) for comparison purposes. TRC 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 4.

3.3.2.2 Gas Probe Monitoring

TRC was onsite on September 8, 2021 for the quarterly site visit. Gas measurements were collected (% oxygen, methane, and carbon dioxide) from the 10 existing gas probes (GP) including GP-1 through GP-7 and GP-10 through GP-12 located surrounding the landfill. As noted above, gas probes GP-1 and GP-2 were also monitored during the biweekly site visit and GP-5 and GP-12 were monitored periodically depending on GP-1 gas concentrations. Overall, during Q3 2021, methane was only observed in GP-1 at low concentrations (0.5 % to 2.8% methane by volume). In review of historical operations, GP-1 has shown low detections of methane and the system will continue to be monitored and adjusted as needed. Methane was not observed in any of the other gas probes monitored. Based on the results of the gas probe monitoring during Q3 2021, current system operations are controlling offsite methane migration.

4.0 References

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

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

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

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

Table 1: Water Levels
FF/NN Landfill
Ripon, Wisconsin
Third Quarter 2021

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q3 Depth to Water (Feet)	Q3 GW Elevation (Feet AMSL)
			9/8/2021	9/8/2021
MW-103	1	872.30	50.28	822.02
MW-112	1	874.70	53.44	821.26
P-103	2	872.74	48.79	823.95
MW-003B	3	850.89	29.64	821.25
P-103D	3	872.91	49.92	822.99
P-111D	3	855.56	34.87	820.69
P-113B	3	833.16	13.45	819.71
P-114	3	839.36	19.53	819.83
P-115 (WIESE)	3	842.67	22.76	819.91
P-116 (HADEL)	3	845.86	26.92	818.94
P-117	3	833.96	15.52	818.44
P-118	3	826.74	8.42	818.32
MW-003A	4	850.60	30.63	819.97
P-107D	4	871.90	51.88	820.02
P-113A	4	833.16	13.61	819.55

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

Created by: P. Popp, 10/20/2021
Checked by: A. Sobbe 10/26/2021

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

Chemical Parameter	Units	NR140 PAL	NR140 ES	Well ID	Date	Result	Data Flags	Exceedance
Manganese, dissolved	µg/L	25	50	MW-003A	9/8/2021	**440**		ES
				MW-003B	9/8/2021	**85.3**		ES
				MW-112	9/8/2021	**83.9**		ES
				P-103	9/8/2021	**92.5**		ES
				P-103D	9/8/2021	*32.1*		PAL
				P-107D	9/8/2021	**214**		ES
				P-111D	9/8/2021	*36.5*		PAL
				P-113B	9/9/2021	**62.5**		ES
				P-114	9/9/2021	**62**		ES
				P-114 DUP	9/9/2021	**61.6**		ES
				P-115 (WIESE)	9/9/2021	**115**		ES
				P-116 (HADEL)	9/9/2021	**94.4**		ES
				P-117	9/8/2021	**208**		ES
				P-118	9/8/2021	**66.4**		ES
Manganese, total	µg/L	25	50	MW-103	9/8/2021	**217**		ES
				MW-112	9/8/2021	**333**		ES
Nitrogen, nitrate + nitrite,	mg/L	2	10	MW-103	9/8/2021	*9.1*		PAL
Trichloroethene	µg/L	0.5	5	MW-103	9/8/2021	*0.85*		PAL
Vinyl chloride	µg/L	0.02	0.2	MW-003B	9/8/2021	*0.061*	J	PAL
				P-103D	9/8/2021	**0.33**		ES
				P-107D	9/8/2021	**2.1**		ES
				P-111D	9/8/2021	**4.2**		ES
				P-114	9/9/2021	**11**		ES
				P-114 DUP	9/9/2021	**10**		ES
				P-115 (WIESE)	9/9/2021	**0.63**		ES
				P-117	9/8/2021	**1.5**		ES
				P-118	9/8/2021	*0.13*		PAL

Notes:

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Checked by: A. Sobbe 10/26/2021

1. µg/L = micrograms per liter (ppb).
2. mg/L = milligrams per liter (ppm).
3. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
4. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
5. **BOLD** = Exceedance (or potential exceedance if J- flagged) of the NR 140, WAC ES.
6. *Italics* = Exceedance (or potential exceedance if J- flagged) of the NR 140, WAC PAL.
7. J = Reported concentration is estimated.
8. TRC was unable to filter the manganese samples for monitoring wells MW-103 and MW-112 due to an equipment issue. A sample was submitted to the laboratory for total manganese and TRC requested that the laboratory filter a portion of the sample and report the dissolved manganese concentration as well.

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

Parameter	Units	NR 140 ES	NR 140 PAL	MW-003A 9/8/2021 1047384	MW-003B 9/8/2021 1047375	MW-103 9/8/2021 1047372	MW-112 9/8/2021 1047373	P-103 9/8/2021 1047374	P-103D 9/8/2021 1047376	P-107D 9/8/2021 1047385	P-111D 9/8/2021 1047377	P-113A 9/9/2021 1047386
Field Parameters												
pH, field	SU			7.56	7.76	7.56	7.38	7.39	7.50	7.61	7.71	7.26
Conductance, specific	µmhos/cm			552.94	682.49	908.51	856.62	704.97	748.99	589.81	831.15	647.63
ORP	mV			-4.4	-222.7	52.4	-86.6	-71.2	-89.5	-113.5	-118.8	48.8
Oxygen, dissolved	mg/L			0.69	0.16	6.99	3.32	0.39	0.33	2.95	0.62	0.42
Turbidity, field				NONE	NONE	SLIGHT	NONE	NONE	NONE	NONE	NONE	NONE
Temperature	Deg C			10.94	11.0	20.88	19.15	12.01	13.39	12.48	12.85	11.37
Color, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Odor, field				NONE	SULFUR	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Inorganic Analytes												
Nitrogen, nitrate + nitrite, total	mg/L	10	2	< 0.12	< 0.12	*9.1*	1.8	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Sulfate, total	mg/L	250	125	19	54	69	56	53	68	22	56	12
Manganese, dissolved	µg/L	50	25	**440**	**85.3**	5.3	**83.9**	**92.5**	*32.1*	**214**	*36.5*	8.2
Manganese, total	µg/L	50	25	--	--	**217**	**333**	--	--	--	--	--
Organic Analytes												
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	0.018 J	< 0.011	< 0.011
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.025 J	< 0.022	< 0.022	< 0.022
Chlorobenzene	µg/L	100	20	< 0.013	< 0.013	< 0.013	0.072 J	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.69 J	0.86 J	< 0.4
Chloroform	µg/L	6	0.6	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Chloromethane	µg/L	30	3	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	0.079 J
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	< 0.023	0.11	0.057 J	0.038 J	0.27	0.62	3.3	< 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
Tetrachloroethene	µg/L	5	0.5	< 0.028	< 0.028	0.22	0.1 J	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.043 J	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	*0.85*	0.27	< 0.022	0.063 J	0.047 J	< 0.022	< 0.022
Trimethylbenzenes, total	µg/L	480	96	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	0.018	< 0.013	< 0.013
Vinyl chloride	µg/L	0.2	0.02	< 0.019	*0.061 J*	< 0.019	< 0.019	< 0.019	**0.33**	**2.1**	**4.2**	< 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 6010C.
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- or B-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J- or B-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated.
14. TRC was unable to filter the manganese samples for monitoring wells MW-103 and MW-112 due to an equipment issue. A sample was submitted to the laboratory for total manganese and TRC requested that the laboratory filter a portion of the sample and report the dissolved manganese concentration as well.

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

Parameter	Units	NR 140 ES	NR 140 PAL	P-113B 9/9/2021 1047378	P-114 9/9/2021 1047379	P-114 DUP 9/9/2021 1047387	P-115 (WIESE) 9/9/2021 1047380	P-116 (HADEL) 9/9/2021 1047381	P-117 9/8/2021 1047382	P-118 9/8/2021 1047383	TRIP BLANK 9/9/2021 1047388
Field Parameters											
pH, field	SU			7.39	7.43		7.56	7.48	7.61	7.74	--
Conductance, specific	µmhos/cm			779.36	909.72		727.39	618.0	745.45	601.24	--
ORP	mV			-85.3	-91.9		-100.9	1.9	-68.8	-71.5	--
Oxygen, dissolved	mg/L			0.13	0.13		0.17	0.29	0.36	0.22	--
Turbidity, field				NONE	NONE		NONE	NONE	NONE	NONE	--
Temperature	Deg C			11.46	11.23		11.83	14.13	11.69	11.90	--
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	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	--
Sulfate, total	mg/L	250	125	73	62	62	33	13	55	26	--
Manganese, dissolved	µg/L	50	25	**62.5**	**62**	**61.6**	**115**	**94.4**	**208**	**66.4**	--
Manganese, total	µg/L	50	25	--	--	--	--	--	--	--	--
Organic Analytes											
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Chlorobenzene	µg/L	100	20	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Chloroethane	µg/L	400	80	< 0.4	< 0.4	0.55 J	< 0.4	< 0.4	0.4 J	< 0.4	< 0.4
Chloroform	µg/L	6	0.6	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	0.024 J
Chloromethane	µg/L	30	3	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	1.8	1.9	0.19	< 0.023	0.75	< 0.023	< 0.023
Dichlorodifluoromethane	µg/L	1000	200	< 0.091	0.18 J	0.2 J	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091
Tetrachloroethene	µg/L	5	0.5	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.048 J	< 0.022	< 0.022
Trimethylbenzenes, total	µg/L	480	96	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Vinyl chloride	µg/L	0.2	0.02	< 0.019	**11**	**10**	**0.63**	< 0.019	**1.5**	*0.13*	< 0.019

Notes:

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1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
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12. ORP - Oxidation Reduction Potential
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14. TRC was unable to filter the manganese samples for monitoring wells MW-103 and MW-112 due to an equipment issue. A sample was submitted to the laboratory for total manganese and TRC requested that the laboratory filter a portion of the sample and report the dissolved manganese concentration as well.

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

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
Background	13:30	7/2/2021	0.0	0.0	20.9	79.1	
	13:23	7/15/2021	0.0	0.0	20.9	79.1	
	13:48	8/2/2021	0.0	0.0	20.9	79.1	
	13:50	8/18/2021	0.0	0.0	20.9	79.1	
	13:53	9/3/2021	0.0	0.0	20.9	79.1	
	11:09	9/8/2021	0.0	0.0	20.9	79.1	
	10:55	9/17/2021	0.0	0.0	20.9	79.1	
	10:45	9/29/2021	0.0	0.0	20.9	79.1	
LC-1	13:47	7/2/2021	29.5	25.4	0.9	44.2	
	13:48	7/15/2021	28.0	24.8	1.4	45.8	
	14:10	8/2/2021	30.5	27.0	0.7	41.8	
	14:20	8/18/2021	31.5	27.2	0.6	40.7	
	14:27	9/3/2021	33.0	28.2	0.6	38.2	
	11:56	9/8/2021	33.3	28.4	0.1	38.2	
	11:16	9/17/2021	29.0	27.6	0.6	42.8	
	11:09	9/29/2021	28.5	28.0	0.7	42.8	
LC-2	13:55	7/2/2021	23.5	21.8	2.6	52.1	
	13:56	7/15/2021	25.5	23.6	1.4	49.5	
	14:19	8/2/2021	28.0	24.4	1.4	46.2	
	14:30	8/18/2021	28.5	25.2	1.6	44.7	
	14:40	9/3/2021	28.5	25.4	2.3	43.8	
	11:30	9/8/2021	29.7	25.1	1.2	44.0	
	11:28	9/17/2021	31.5	26.2	2.6	39.7	
	11:19	9/29/2021	34.0	22.6	2.8	40.6	
LC-3	13:53	7/2/2021	17.0	19.8	4.6	58.6	
	13:54	7/15/2021	18.5	21.0	3.5	57.0	
	14:16	8/2/2021	17.0	19.2	4.9	58.9	
	14:26	8/18/2021	19.0	21.2	3.8	56.0	
	14:34	9/3/2021	19.0	21.6	3.7	55.7	
	11:46	9/8/2021	14.6	15.3	8.6	61.5	
	11:22	9/17/2021	27.0	23.0	4.2	45.8	
	11:14	9/29/2021	32.5	26.4	3.3	37.8	
GV-4	13:45	7/2/2021	0.0	0.0	20.9	79.1	Valve remains closed due to oxygen concentration
	13:45	7/15/2021	0.0	0.0	20.9	79.1	Valve remains closed due to oxygen concentration
	-	8/2/2021	-	-	-	-	Valve remains closed due to oxygen concentration. Sample port plugged, not able to measure
	-	8/18/2021	-	-	-	-	Valve remains closed due to oxygen concentration. Sample port plugged, not able to measure
	14:23	9/3/2021	16.0	24.2	0.4	59.4	Concentrations not consistent with previous readings.
	12:08	9/8/2021	0.0	0.0	20.8	79.2	Valve remains closed due to oxygen concentration
	11:14	9/17/2021	0.0	0.0	20.9	79.1	Valve remains closed due to oxygen concentration
	11:06	9/29/2021	0.0	0.0	20.9	79.1	Valve remains closed due to oxygen concentration
GV-6	13:49	7/2/2021	5.5	11.8	8.6	74.1	Valve slightly open and adjusted as needed based on oxygen concentration
	13:50	7/15/2021	5.5	10.2	11.0	73.3	Valve slightly open and adjusted as needed based on oxygen concentration
	14:13	8/2/2021	7.5	13.8	6.4	72.3	Valve slightly open and adjusted as needed based on oxygen concentration
	14:24	8/18/2021	15.5	20.8	4.5	59.2	Valve slightly open and adjusted as needed based on oxygen concentration
	14:30	9/3/2021	24.5	26.8	0.8	47.9	Concentrations not consistent with previous readings.
	11:36	9/8/2021	16.7	20.0	4.3	59.0	Valve slightly open and adjusted as needed based on oxygen concentration
	11:19	9/17/2021	4.0	15.8	6.4	73.9	Valve slightly open and adjusted as needed based on oxygen concentration
	11:11	9/29/2021	4.1	11.0	9.6	75.3	Valve slightly open and adjusted as needed based on oxygen concentration

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

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
GP-1	13:31	7/2/2021	0.7	10.2	1.7	87.5	
	14:31	7/2/2021	0.7	10.2	1.8	87.4	
	-	7/8/2021	0.3	11.4	2.9	85.4	
	13:24	7/15/2021	1.4	8.4	5.8	84.5	
	14:24	7/15/2021	1.3	8.6	5.5	84.6	
	13:49	8/2/2021	0.6	11.4	1.6	86.5	
	14:49	8/2/2021	0.5	11.2	1.6	86.7	
	13:56	8/18/2021	0.0	12.0	2.2	85.8	
	14:56	8/18/2021	0.0	12.0	2.1	85.9	
	13:53	9/3/2021	2.7	12.6	1.5	83.2	
	14:53	9/3/2021	2.8	12.8	1.4	83.1	
	9:38	9/8/2021	1.6	14.6	0.1	83.7	
	12:13	9/8/2021	1.2	14.4	0.2	84.3	
	10:59	9/17/2021	1.1	13.2	1.7	84.1	
	11:59	9/17/2021	1.0	13.2	1.7	84.1	
	10:46	9/29/2021	2.7	13.0	0.8	83.6	
	11:46	9/29/2021	2.6	13.0	0.8	83.6	
GP-2	13:42	7/2/2021	0.0	4.8	12.2	83.0	
	13:42	7/15/2021	0.0	4.2	13.3	82.5	
	14:05	8/2/2021	0.0	7.6	9.4	83.0	
	14:14	8/18/2021	0.0	1.6	18.7	79.7	
	14:19	9/3/2021	0.0	5.0	13.9	81.1	
	12:23	9/8/2021	0.0	5.5	13.0	81.5	
	11:11	9/17/2021	0.0	0.6	20.2	79.2	
	11:03	9/29/2021	0.0	0.4	20.8	78.8	
GP-3	10:42	9/8/2021	0.0	0.2	20.5	79.3	
GP-4	10:31	9/8/2021	0.0	0.2	18.3	81.5	
GP-5	-	7/8/2021	0.0	7.2	12.7	80.1	
	13:31	7/15/2021	0.0	8.4	9.0	82.6	
	13:55	8/2/2021	0.0	7.6	10.3	82.1	
	13:58	8/18/2021	0.0	8.8	10.5	80.7	
	14:02	9/3/2021	0.0	10.0	9.2	80.8	
	9:42	9/8/2021	0.0	9.5	10.6	79.9	
	11:00	9/17/2021	0.0	9.4	11.7	78.9	
	10:52	9/29/2021	0.0	8.6	12.9	78.5	
GP-6	10:56	9/8/2021	0.0	1.5	18.5	80.0	
GP-7	10:52	9/8/2021	0.0	0.3	20.1	79.6	
GP-10	10:02	9/8/2021	0.0	6.4	7.6	86.0	
GP-11	10:08	9/8/2021	0.0	3.2	17.9	78.9	
GP-12	-	7/8/2021	0.0	1.6	19.1	79.3	
	13:28	7/15/2021	0.0	2.8	17.4	79.8	
	13:51	8/2/2021	0.0	1.6	18.3	80.1	
	13:52	8/18/2021	0.0	1.6	18.9	79.5	
	13:57	9/3/2021	0.0	2.4	17.8	79.8	
	9:50	9/8/2021	0.0	2.0	18.5	79.5	
	10:56	9/17/2021	0.0	2.2	18.7	79.1	
	10:49	9/29/2021	0.0	2.2	18.6	79.2	
Exhaust	13:37	7/2/2021	2.0	2.0	18.9	77.1	
	13:35	7/15/2021	2.0	2.0	19.1	76.9	
	13:57	8/2/2021	1.9	2.0	19.3	76.8	
	14:09	8/18/2021	2.3	2.2	19.1	76.5	
	14:12	9/3/2021	2.3	2.2	18.9	76.6	
	11:17	9/8/2021	2.0	2.1	19.1	76.8	
	11:05	9/17/2021	1.8	2.4	18.6	77.2	
	10:59	9/29/2021	1.6	1.8	19.2	77.4	
MW-101	10:11	9/8/2021	0.0	0.3	20.1	79.6	
MW-102	9:45	9/8/2021	0.0	3.7	13.9	82.4	
MW-103	10:35	9/8/2021	0.0	0.0	20.8	79.2	
MW-104	10:38	9/8/2021	0.0	2.9	17.3	79.8	

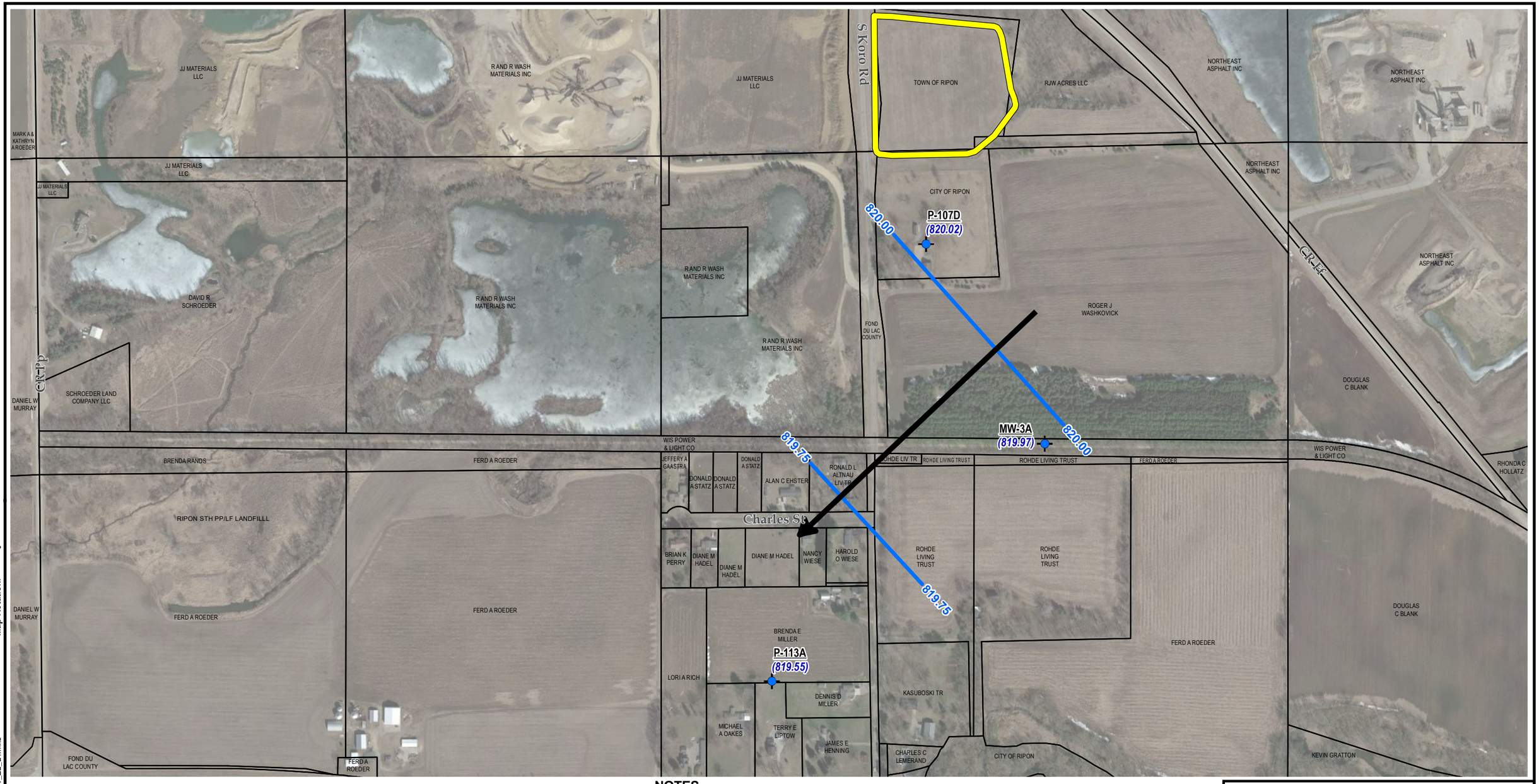
Notes:
CH_4 = Methane
CO_2 = Carbon Dioxide
O_2 = Oxygen
N = Nitrogen
% = Percent

Updated By: A. Sobbe 10/28/2021
Checked by: A. Stehn 11/4/2021

TRC - GIS

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

Plot Date: 11/29/2021, 10:59:44 AM by RSUEMNICHT -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\Ripon\421748-2021-Q3-001-GW_EL_L4.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 2020 REPORTING

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 3 LAYER 4 WELLS
JULY 13, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 1**
DATE:	NOVEMBER 2021		

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

FILE NO.: 421748-2021-Q3-001-GW_EL_L4.mxd

Appendix A: Site Inspection Reports

TRC

PROJECT NAME:	Ripon FF/NN Landffill
PROJECT NUMBER:	421748.00
PROJECT MANAGER:	Andy Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	
PURPOSE OF FIELDWORK:	Q3 2021 Groundwater Sampling
WORK PERFORMED BY:	A. Sobbe

10-1-21
SIGNED DATE

John Roelke 10/28/2021
CHECKED BY DATE

REVISED 07/2005

TRC

CALIBRATION LOG

PROJECT NAME Ripon FF/NN Landfill	MODEL: m-Site Aqua troll 400	SAMPLER: AAS
PROJECT NO	SERIAL #: 807539	DATE: 9-8-21 ; 9-9-21

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 16B200	PH 4 / 10 (LOT NUMBER): 16C097	TIME
7.00 / 7.00	4.01 / 4.00	9-8-21 510
7.42 / 7.00	4.38 / 4.00	9-8-21 1910
7.00 / 7.00	4.00 / 4.00	9-9-21 715
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 16C097	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
4493 / 4490	13.72		9-8-21 520
3759 / 4490	15.07		9-8-21 1910
4490 / 4490	13.69		9-9-21 720
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
10.51 mg/L @ 14.13°C 9-8-21	530
9.81 mg/L @ 12.13°C 9-8-21	1920
10.11 mg/L @ 13.98°C 9-9-21	725

TURBIDITY CALIBRATION CHECK N/A

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

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK N/A - No ORP solution

CALIBRATION READING (LOT NUMBER):	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
/			
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 10/2/2021	John Roelke	10/28/2021
SIGNED DATE	CHECKED BY	DATE

REVISED 07/2005

TRC

WATER LEVEL DATA

PROJECT NAME Ripon FF/NN Landfill				DATE 9/8/21	
PROJECT NUMBER				AUTHOR JAR	
WELL LOCATION	**TIME**	**REFERENCE**	**DEPTH TO WATER (FEET)**	**DEPTH TO BOTTOM (FEET)**	**WATER ELEVATION**
MW-101		884.73		64.50	
P-101		885.39		96.49	
MW-102		842.9		24.00	
P-102		842.85		61.15	
MW-103	955	872.30	50.24	53.69	
P-103	750	872.74	48.79	83.02	
P-103D	745	872.91	49.92	192.66	
MW-104		875.20		54.90	
P-104		875.40		92.80	
MW-106		878.90		57.35	
P-106		878.91		87.30	
MW-107		871.69		55.29	
P-107		871.33		87.13	
P-107D	9:06	871.9	51.88	322.7	
MW-108		845.08		30.28	
P-108		845.48		62.48	
MW-111		856.09		43.79	
P-111		856.28		82.68	
P-111D	8:35	855.56	34.87	148.46	
MW-112	8:50	874.7	53.44	60.47	
P-113A	7:31	833.16	13.61	325.31	
P-113B	7:29	833.16	13.45	198.9	
P-114	7:56	839.36	19.53	181.72	
P-115	7:42	842.67	22.76	179.57	
P-116	7:50	845.86	26.92	163.19	
P-117	8:12	833.96	15.52	165.54	
P-118	8:17	826.74	8.42	167.44	
MW-3A	8:02	850.60	30.63	280.10	
MW-3B	8:05	850.89	29.64	185.72	
Rohde		844.98		228.00	
LC-1		876.15		27.70	
LC-2		866.05		27.91	
LC-3		877.34		26.14	

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

John Roelke 10/28/2021

SIGNED DATE

10/28/2021

CHECKED DATE

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

SAMPLE ID: MW3A — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1140	DATE: 9-8-21

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

DEPTH TO WATER: 30.63 T/ PVC

DEPTH TO BOTTOM: 280.10 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1220	DATE: 9-8-21

PH: 7.56 SU CONDUCTIVITY: 552.94 umhos/cm

ORP: -4.4 mv DO: 0.69 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.94 °C OTHER:

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1140	200							30.63	INITIAL
1145	200	7.91	541.49	-87.4	3.05	none	12.46	31.45	1L
1150	200	7.72	555.77	-109.3	1.35	none	11.22	31.52	2L
1155	200	7.62	556.94	-96.1	1.04	none	11.04	31.56	3L
1200	200	7.58	557.49	-70.1	0.89	none	11.00	31.59	4L
1205	200	7.56	559.99	-19.5	0.76	none	10.95	31.61	5L
1210	200	7.56	558.76	-6.6	0.77	none	10.98	31.65	6L
1215	200	7.56	552.11	-9.5	0.71	none	10.99	31.67	7L
1220	200	7.56	552.94	-4.4	0.69	none	10.94	31.71	8L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-7-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

SAMPLE ID: MW3B — WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1235	DATE: 9-8-21

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

DEPTH TO WATER: 29.64 T/ PVC

DEPTH TO BOTTOM: 185.72 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 7 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: Sulfur

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1310	DATE: 9-8-21

PH: 7.76 SU CONDUCTIVITY: 682.49 umhos/cm

ORP: -222.7 mv DO: 0.16 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.00 °C OTHER:

COLOR: Clear ODOR: Sulfur

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: Sulfur

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1235	200								INITIAL
1240	200	8.31	562.86	-281.6	0.71	none	11.31	29.96	1L
1245	200	7.93	663.32	-269.9	0.37	none	11.15	29.95	2L
1250	200	7.84	693.14	-254.5	0.24	none	11.10	29.95	3L
1255	200	7.80	691.52	-236.5	0.18	none	11.09	29.95	4L
1300	200	7.78	688.98	-231.0	0.17	none	11.12	29.95	5L
1305	200	7.77	684.62	-225.1	0.16	none	11.07	29.95	6L
1310	200	7.76	682.49	-222.7	0.16	none	11.00	29.95	7L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER	421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

SAMPLE ID: MW-103 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1000	DATE: 9-8-21

PURGE METHOD: ☑ ~~PUMP~~ BLADDER PUMP (QED) ☒ BAILER BAILER (DISPOSABLE)

DEPTH TO WATER: 50.28 T/ PVC

DEPTH TO BOTTOM: 53.69 T/ PVC

WELL VOLUME: 2 ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 2 ☐ LITERS ☑ GALLONS

COLOR: clear ODOR: none

TURBIDITY: NA

☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1010	DATE: 9-8-21

PH: 7.36 SU CONDUCTIVITY: 908.51 umhos/cm

ORP: 52.4 mv DO: 6.99 mg/L

TURBIDITY: NA NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 20.88 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ~~☑ YES~~ ☒ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER: _____	SIGNATURE: [signature]	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER	421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

SAMPLE ID: MW-112 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1040	DATE: 9-8-21	SAMPLE	TIME: 1100	DATE: 9-8-21
PURGE METHOD: ~~☑ PUMP~~ ☐ BAILER	BLADDER PUMP (QED) / BAILER (DISPOSABLE)		PH: 7.38 SU	CONDUCTIVITY: 856.62 umhos/cm	
DEPTH TO WATER: 55.44 T/ PVC			ORP: -86.6 mv	DO: 3.12 mg/L	
DEPTH TO BOTTOM: 60.47 T/ PVC			TURBIDITY: NA NTU		
WELL VOLUME: ☐ LITERS ☐ GALLONS			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
VOLUME REMOVED: 3.75 ☐ LITERS ☒ GALLONS			TEMPERATURE: 19.15 °C	OTHER:	
COLOR: Clear	ODOR: none		COLOR: Clear	ODOR: none	
TURBIDITY: NA			FILTRATE (0.45 um) ~~☑ YES~~ ☒ NO		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER	421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 800	DATE: 9-8-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED)	
	☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	48.79 T/ PVC	
DEPTH TO BOTTOM:	83.02 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	7 ☒ LITERS ☐ GALLONS	
COLOR:	Clear	ODOR: None
TURBIDITY:	NA	
☒ NONE	☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 835	DATE: 9-8-21
PH: 7.39 SU	CONDUCTIVITY: 704.97	umhos/cm
ORP: -71.2 mv	DO: 0.39	mg/L
TURBIDITY: NA	NTU	
☒ NONE	☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE: 12.01	°C OTHER:	
COLOR: Clear	ODOR: None	
FILTRATE (0.45 um)	☑ YES ☐ NO	
FILTRATE COLOR: Clear	FILTRATE ODOR: None	
QC SAMPLE:	☐ MS/MSD ☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
800	200								INITIAL
805	200		685.65				12.16	48.94	1L
810	200		685.25				12.01	48.94	2L
815	200	7.29	710.81	-30.0	0.82	None	11.83	48.94	3L
820	200	7.35	~~711~~ 711.35	-66.3	0.56	None	11.83	48.94	4L
825	200	7.37	710.02	-68.5	0.46	None	11.84	48.94	5L
830	200	7.38	707.75	-69.4	0.42	None	11.88	48.94	6L
835	200	7.39	704.97	-71.2	0.39	None	12.01	48.94	7L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER	421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 900	DATE: 9-8-21

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

DEPTH TO WATER: 49.92 T/ PVC

DEPTH TO BOTTOM: 192.66 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 940	DATE: 9-8-21

PH: 7.56 SU CONDUCTIVITY: 748.99 umhos/cm

ORP: -89.5 mv DO: 0.33 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.39 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
900	200	7.83	722.94	-1.5	7.96	none	15.40	50.03	~~INITIAL~~ 1L
905	200	7.45	763.67	-61.0	2.31	none	13.16	50.01	2L
910	200	7.46	764.06	-74.2	1.14	none	13.08	50.01	3L
915	200	7.48	760.23	-81.8	0.62	none	13.04	50.02	4L
920	200	7.48	760.51	-83.1	0.46	none	13.11	50.02	5L
925	200	7.49	758.89	-84.3	0.40	none	13.11	50.02	6L
930	200	7.49	753.50	-87.0	0.36	none	13.24	50.02	7L
935	200	7.50	752.72	-88.6	0.33	none	13.41	50.02	8L
940	200	7.50	748.99	-89.5	0.33	none	13.39	50.02	9L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER	421748	BY: AAS DATE 9-8-21	BY JAR DATE 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1510	DATE 9-8-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	51.88 T/ PVC	
DEPTH TO BOTTOM:	87.13 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	4 ☒ LITERS ☐ GALLONS	
COLOR:	Clear ODOR: none	
TURBIDITY:	NA	
	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME 1530	DATE 9-8-21
PH: 7.61 SU	CONDUCTIVITY: 589.81 umhos/cm	
ORP: -113.5 mv	DO: 2.95 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 12.48 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILTRATE COLOR: Clear	FILTRATE ODOR none	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1510	200							51.88	INITIAL
1515	200	7.66	600.42	-59.8	4.22	none	13.03	52.15	1L
1520	200	7.63	600.75	-109.5	3.22	none	12.75	52.15	2L
1525	200	7.63	600.71	-115.1	3.05	none	12.47	52.15	3L
1530	200	7.61	589.81	-113.5	2.95	none	12.48	52.15	4L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

SAMPLE ID: P111D WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1350	DATE: 9-8-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER: 34.87 T/ PVC		
DEPTH TO BOTTOM: 148.46 T/ PVC		
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 11	☒ LITERS ☐ GALLONS	
COLOR: Clear	ODOR: none	
TURBIDITY: NA		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1445	DATE: 9-8-21
PH: 7.71 SU	CONDUCTIVITY: 831.15 umhos/cm	
ORP: -118.8 mv	DO: 0.62 mg/L	
TURBIDITY: NA NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 12.85 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILTRATE COLOR: Clear	FILTRATE ODOR: none	
QC SAMPLE: ☐ MS/MSD	☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1350	200							34.87	INITIAL
1355	200	7.79	842.22	-162.8	2.27	None	13.25	35.12	1L
1400	200	7.75	846.47	-154.6	1.75	none	12.18	35.15	2L
1405	200	7.73	843.06	-153.8	1.50	none	12.11	35.15	3L
1410	200	7.73	843.51	-154.0	1.35	none	11.94	35.15	4L
1415	200	7.71	834.12	-149.8	1.12	none	12.47	35.15	5L
1420	200	7.71	830.72	-143.0	1.03	none	12.88	35.15	6L
1425	200	7.71	827.40	-137.3	0.91	none	12.96	35.15	7L
1430	200	7.71	829.80	-134.6	0.82	none	13.16	35.15	8L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: Lipan FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER 421748	BY: AAS	DATE: 9.8.21	BY: JAR	DATE: 10/28/21

SAMPLE ID: P-111D

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1435	200	7.71	831.11	-125.4	0.73	none	12.67	35.15	9L
1440	200	7.71	935.39	-121.2	0.68	none	12.07	35.15	10L
1445	200	7.71	831.15	-118.8	0.62	none	12.85	35.15	11L

SIGNATURE: [signature]

DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9.9.21	BY: JAR DATE: 10/28/21

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 750	DATE: 9.9.21

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

DEPTH TO WATER: [illegible] T/ PVC 14.90

DEPTH TO BOTTOM: 325.31 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 830	DATE: 9.9.21

PH: 7.26 SU CONDUCTIVITY: 647.63 umhos/cm

ORP: 48.8 mv DO: 0.42 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.37 °C OTHER:

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
755	200	7.38	650.16	-86.7	0.56	none	11.23	15.25	1L
800	200	7.29	649.49	-69.4	0.31	none	11.16	15.36	2L
805	200	7.26	647.60	-40.3	0.33	none	11.36	15.05	3L
810	200	7.26	647.60	4.1	0.36	none	11.28	15.16	4L
815	200	7.26	648.51	26.6	0.35	none	11.28	15.05	5L
820	200	7.26	648.90	40.0	0.34	none	11.36	15.05	6L
825	200	7.26	648.14	46.1	0.38	none	11.36	15.05	7L
830	200	7.26	647.63	48.8	0.42	none	11.37	15.05	8L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE: [signature]	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER	421748	BY: AAS	DATE: 9-9-21	BY: JAR	DATE: 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 845	DATE: 9-9-21	SAMPLE	TIME: 915	DATE: 9-9-21

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

DEPTH TO WATER: 13.63 T/ PVC

DEPTH TO BOTTOM: 198.9 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6 ☑ LITERS ☐ GALLONS

COLOR: Clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.39 SU CONDUCTIVITY: 779.36 umhos/cm

ORP: -85.3 mv DO: 0.13 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.46 °C OTHER:

COLOR: Clear ODOR none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR none

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
845	200							13.63	INITIAL
850	200	7.52	787.41	-99.4	0.60	none	11.37	13.71	1L
855	200	7.39	788.86	-81.1	0.23	none	11.32	13.70	2L
900	200	7.38	786.98	-80.3	0.18	none	11.27	13.70	3L
905	200	7.38	782.15	-82.8	0.14	none	11.51	13.70	4L
910	200	7.38	781.96	-79.5	0.13	none	11.51	13.70	5L
915	200	7.39	779.36	-85.3	0.13	none	11.46	13.70	6L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME	Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER	421748	BY AAS DATE 9.9.21	BY: JAR DATE 10/28/21

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 955	DATE: 9.9.21
PURGE METHOD	☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	19.70 T/ PVC	
DEPTH TO BOTTOM:	181.72 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	5 ☑ LITERS ☐ GALLONS	
COLOR:	Clear	ODOR: none
TURBIDITY:	NA	
	☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1020	DATE: 9.9.21
PH: 7.43 SU	CONDUCTIVITY: 909.72 umhos/cm	
ORP: -91.9 mv	DO: 0.13 mg/L	
TURBIDITY: NA NTU		
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.25 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILTRATE COLOR: Clear	FILTRATE ODOR: none	
QC SAMPLE: ☐ MS/MSD ☒ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
955	200							19.70	INITIAL
1000	200	7.47	872.77	-77.9	1.95	none	13.67	19.70	1L
1005	200	7.41	912.80	-111.6	0.21	none	11.46	19.70	2L
1010	200	7.43	914.68	-96.1	0.16	none	11.28	19.70	3L
1015	200	7.43	914.11	-92.3	0.14	none	11.33	19.70	4L
1020	200	7.43	909.72	-91.9	0.13	none	11.25	19.70	5L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-9-21	BY: JAR DATE: 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1150	DATE: 9.9.21

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

DEPTH TO WATER: 22.88 T/ PVC

DEPTH TO BOTTOM: 174.57 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLC

VOLUME REMOVED: 6 ☒ LITERS ☐ GALLC

COLOR: Clear ODOR: none

TURBIDITY: NA

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1220	DATE: 9-9-21

PH: 7.56 SU CONDUCTIVITY: 727.39 umhos/cm

ORP: -100.9 mv DO: 0.17 mg/L

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.83 °C OTHER:

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-1

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1150	200							22.88	INITIAL
1155	200	7.69	704.82	-117.5	0.80	none	12.48	23.00	1L
1200	200	7.57	710.75	-109.9	0.33	none	12.06	23.00	2L
1205	200	7.51	727.10	-102.1	0.23	none	11.91	23.00	3L
1210	200	7.50	728.11	-100.8	0.20	none	11.74	23.00	4L
1215	200	7.50	727.04	-100.5	0.18	none	11.74	23.00	5L
1220	200	7.50	727.39	-100.9	0.17	none	11.83	23.00	6L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-9-2021	BY: JAR DATE: 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1050	DATE: 9-9-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	26.75 T/ PVC	
DEPTH TO BOTTOM:	163.19 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	7 ☒ LITERS ☐ GALLONS	
COLOR:	Clear	ODOR: none
TURBIDITY: NA	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1125	DATE: 9-9-21
PH: 7.48 SU	CONDUCTIVITY: 618.00 umhos/cm	
ORP: 1.9 mv	DO: 0.29 mg/L	
TURBIDITY: NA NTU		
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 14.13 °C	OTHER:	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILTRATE COLOR: clear	FILTRATE ODOR: none	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1050	200							26.75	INITIAL
1055	200	7.49	617.21	17.3	0.65	none	13.64	27.05	1L
1100	200	7.49	6~~19.75~~ 619.25	20.5	0.92	none	13.53	27.10	2L
1105	200	7.48	618.93	-12.6	0.62	none	13.80	27.10	3L
1110	200	7.48	619.29	-4.5	0.47	none	13.89	27.10	4L
1115	200	7.48	616.89	2.3	0.36	none	14.03	27.10	5L
1120	200	7.48	619.19	1.8	0.30	none	14.10	27.10	6L
1125	200	7.48	618.00	1.9	0.29	none	14.13	27.10	7L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1650	DATE: 9-8-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	15.52 T/ PVC	
DEPTH TO BOTTOM:	165.54 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	8 ☒ LITERS ☐ GALLONS	
COLOR:	clear	ODOR: none
TURBIDITY:	NA	
	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1730	DATE: 9-8-21
PH:	7.61 SU	CONDUCTIVITY: 745.45 umhos/cm
ORP:	-68.8 mv	DO: 0.36 mg/L
TURBIDITY:	NA NTU	
	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE:	11.64 °C	OTHER:
COLOR:	clear	ODOR: none
FILTRATE (0.45 um)	☑ YES ☐ NO	
FILTRATE COLOR:	clear	FILTRATE ODOR: none
QC SAMPLE:	☐ MS/MSD ☐ DUP-1	
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1650	200								INITIAL
1655	200	7.70	753.61	-85.3	1.42	none	11.91	15.65	1L
1700	200	7.63	754.3	-70.1	0.98	none	11.83	15.65	2L
1705	200	7.62	752.98	-67.8	0.80	none	11.79	15.65	3L
1710	200	7.61	751.15	-67.6	0.59	none	11.74	15.65	4L
1715	200	7.61	749.17	-67.7	0.47	none	11.70	15.65	5L
1720	200	7.61	746.72	-67.9	0.42	none	11.70	15.65	6L
1725	200	7.61	747.00	-68.6	0.37	none	11.70	15.65	7L
1730	200	7.61	745.45	-68.8	0.36	none	11.69	15.65	8L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED	CHECKED
PROJECT NUMBER: 421748	BY: AAS DATE: 9-8-21	BY: JAR DATE: 10/28/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: ~~1400~~ 1600	DATE: 9-8-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	8.42 T/ PVC	
DEPTH TO BOTTOM:	187.44 T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	6 ☒ LITERS ☐ GALLONS	
COLOR:	Clear ODOR: none	
TURBIDITY: NA	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1630	DATE: 9-8-21
PH: 7.74 SU	CONDUCTIVITY: 601.24 umhos/cm	
ORP: -71.5 mv	DO: 0.22 mg/L	
TURBIDITY: NA NTU		
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.96 °C	OTHER:	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILTRATE COLOR: Clear	FILTRATE ODOR: none	
QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1600	200							8.42	INITIAL
1605	200	7.92	580.21	-98.3	4.21	none	13.52	8.49	1L
1610	200	7.77	599.49	-109.4	0.97	none	12.24	8.49	2L
1615	200	7.74	601.54	-82.5	0.33	none	12.03	8.49	3L
1620	200	7.74	601.13	-75.6	0.26	none	11.98	8.49	4L
1625	200	7.74	601.00	-72.5	0.23	none	11.92	8.49	5L
1630	200	7.74	601.24	-71.5	0.22	none	11.90	8.49	6L

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED:	AIRBILL NUMBER:
COC NUMBER:	SIGNATURE:	DATE SIGNED: 10-1-21

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

TRC

TECHNICIAN(S): J. Roelke

GAS/INSTRUMENT TYPE: GEM 2000
SERIAL NO.: 11668
DATE LAST CALIBRATED: 9/8/21
METHOD: Standard Calibration Gases
PRESSURE INSTRUMENT: Dwyer Manometer
Dwyer Anemometer

DATE: 9/8/21
START TIME: 11:09
END TIME: 12:23
WEATHER CONDITIONS: Sunny
TEMPERATURE: 68 (°F)
BAROMETRIC PRESSURE: 29.80 (in. Hg)
BAROMETRIC Pr. TREND: Steady
GROUND CONDITIONS: dry # See photo
WATER LEVEL IN KNOCKOUT TANK: 0 (ft) Knockout tank is full, H2O is @ the outside level

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	11:09	NA	NA	NA	NA	0.0	0.0	0.0	20.8	NA	NA	NA	NA	NA	NA	
LC-1	11:56	-13.82	-2.94			>5	33.3	28.4	0.1	1/12	1.25/12	-13.96	-3.37			
LC-2	11:30	-13.77	-13.75			>5	29.7	25.1	1.2	/12	/12					
LC-3	11:46	-11.18	-10.72			>5	14.6	15.3	8.6	1/12	.5/12	-11.01	-1.06			
GV-6	11:36	-13.17	0.0			>5	16.7	20.6	4.3	0/12	.125/12	-12.53	-0.04			
GV-4	12:08	-13.92	0.0			0.0	0.0	0.0	20.8	0/12	/12					
GP-1	9:38	NA	0.0	NA	NA	32	1.6	14.6	0.1	NA	NA	NA	NA	NA	NA	
GP-1	12:13	NA	0.0	NA	NA	23	1.1	14.4	0.2	NA	NA	NA	NA	NA	NA	
GP-2	12:23	NA	0.0	NA	NA	0.0	0.0	5.5	13.0	NA	NA	NA	NA	NA	NA	
BLOWER INLET	11:11	-17.54	NA	NA	NA	36	1.8	1.7	19.2				NA	NA	NA	
DILUTION VALVE	11:15	-5.03	NA			32	1.6	1.7	19.5	4/12	4/12		NA			
EXHAUST	11:17	-0.25	NA	NA	NA	40	2.0	2.1	19.1	NA	NA		NA	NA	NA	

Notes:

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

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

Technician(s): J. Roelke

Date: 9/8/21
Start Time: 9:35
End Time: 12:23

Gas/Instrument Type: GEM 2000
Serial No.: 11668
Date Last Calibrated: 9/8/21
Method: Standard Calibration Gases or Other
Pressure Instrument: Dwyer Manometer or other

Gas Probe	Time	Pwell (in.H_2O)	Methane (% LEL)	Methane (% by Vol.)	Carbon Dioxide (% by Vol.)	Oxygen (% by Vol.)	
GP-1	9:38	0.0	32	1.6	14.6	0.1	Stable readings @ 2 min,
GP-2 (RE 9/8/21)	10:17	0.0	00	0.0	4.5.7	13.2	Stable readings @ 2 min.
GP-2	12:23	0.0	0.0	0.0	5.5	13.0	
GP-2							
GP-3	10:42	0.0	0.0	0.0	0.2	20.5	
GP-4	10:31	0.0	0.0	0.0	2.0	18.3	
GP-5	9:42	0.0	0.0	0.0	9.5	10.6	
GP-6	10:56	0.0	0.0	0.0	1.5	18.5	
GP-7	10:52	0.0	0.0	0.0	0.3	20.1	
GP-8	N/A	N/A	N/A	N/A	N/A	N/A	
GP-10	10:02	0.0	0.0	0.0	6.4	7.6	unclogged sample port
GP-11	10:08	0.0	0.0	0.0	3.2	17.9	
GP-12	9:50	0.0	0.0	0.0	2.0	18.5	
MW-101	10:11	0.0	0.0	0.0	0.3	20.1	
MW-102	9:45	0.0	0.0	0.0	3.7	13.9	
MW-103	10:35	Open to ATM	0.0	0.0	0.0	20.8	
MW-104	10:38	Open to ATM	0.0	0.0	2.9	17.3	

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

Appendix B: Analytical Data

CT LABORATORIES

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 #:164407):
All holding times, field qc, and lab qc met criteria, except as specified below.
-Dissolved manganese for samples MW-103 and MW-112 were filtered in the lab using an unpreserved aliquot from the sulfate sample container.
-Sample times on the bottle labels fo P-111D did not match COC; logged per COC
BLANKS-
Sample detections <5x blank value were flagged as nondetect ('u') at the reported limit.
-Analytes in method blanks: Acetone 1.02 (x5=5.1)
-Analytes in trip blanks: Chloroform, 0.024 ug/L (x5=0.12)
MS/MSD/LCS
-Vinyl acetate RPD outside control limits. Associated results considered estimated and qualified "j".
Data has been reviewed per TRC data usability guidelines and is usable with the above notations.
P Popp, 10/19/2021

P-114	%RPD
SULFATE, TOTAL	0
MANGANESE, DISSOLVED	1
CIS-1,2-DICHLOROETHENE	5
DICHLORODIFLUOROMETHANE	11
VINYL CHLORIDE	10

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ANALYTICAL REPORT

TRC ENVIRONMENTAL
ANDREW STEHN
708 HEARTLAND TRAIL
MADISON, WI 53717

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Project #: 421748
Folder #: 164407
Purchase Order #: 138000
Contract #: 3276

Arrival Temperature: See COC
Report Date: 10/4/2021
Date Received: 9/10/2021
Reprint Date: 10/4/2021

CT LAB#: 1047372 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 9/8/2021 10:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	69	mg/L	4.0	13	5			9/15/2021 13:22	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	9.1	mg/L	0.24	1.0	2	M		9/18/2021 15:05	ATJ	EPA 353.2
Metals Results										
Total Manganese	217	ug/L	1.4	5.0	1		9/14/2021 06:16	9/21/2021 02:08	NAH	EPA 6010C
Dissolved Manganese	5.3	ug/L	1.2	5.0	1			9/13/2021 19:25	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 11:56	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#: 1047372 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 9/8/2021 10:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 11:56	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			9/19/2021 11:56	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 11:56	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 11:56	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 11:56	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 11:56	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 11:56	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 11:56	RLD	EPA 8260C

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CT LAB#: 1047372 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 9/8/2021 10:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.11	ug/L	0.023	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 11:56	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 11:56	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 11:56	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Tetrachloroethene	0.22	ug/L	0.028	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 11:56	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:56	RLD	EPA 8260C

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CT LAB#: 1047372 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 9/8/2021 10:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichloroethene	0.85	ug/L	0.022	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 11:56	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 11:56	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 11:56	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			9/19/2021 11:56	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			9/19/2021 11:56	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			9/19/2021 11:56	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			9/19/2021 11:56	RLD	EPA 8260C

CT LAB#: 1047373 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 9/8/2021 11:00

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			9/15/2021 13:43	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	1.8	mg/L	0.12	0.5	1			9/18/2021 11:58	ATJ	EPA 353.2
Metals Results										
Total Manganese	333	ug/L	1.4	5.0	1		9/14/2021 06:16	9/21/2021 02:38	NAH	EPA 6010C
Dissolved Manganese	83.9	ug/L	1.2	5.0	1			9/13/2021 19:47	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 12:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 12:24	RLD	EPA 8260C

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CT LAB#: 1047373 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 9/8/2021 11:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			9/19/2021 12:24	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 12:24	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 12:24	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 12:24	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 12:24	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 12:24	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Chlorobenzene	0.072	ug/L	0.013 *	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 12:24	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 12:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.057	ug/L	0.023 *	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 12:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 12:24	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 12:24	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:24	RLD	EPA 8260C

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CT LAB#: 1047373 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 9/8/2021 11:00

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			9/19/2021	12:24	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021	12:24	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021	12:24	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
Tetrachloroethene	0.10	ug/L	0.028	*	0.20	1			9/19/2021	12:24	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			9/19/2021	12:24	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
Trichloroethene	0.27	ug/L	0.022		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			9/19/2021	12:24	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1	Y		9/19/2021	12:24	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019		0.10	1			9/19/2021	12:24	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0		130	1			9/19/2021	12:24	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0		130	1			9/19/2021	12:24	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0		130	1			9/19/2021	12:24	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0		130	1			9/19/2021	12:24	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#: 1047374 Sample Description: P-103 License/Well #: 00467/114 Sampled: 9/8/2021 08:35

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			9/15/2021 14:45	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 11:59	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	92.5	ug/L	1.2	5.0	1			9/13/2021 19:55	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 12:53	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 12:53	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#: 1047374 Sample Description: P-103 License/Well #: 00467/114 Sampled: 9/8/2021 08:35

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			9/19/2021 12:53	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 12:53	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 12:53	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 12:53	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 12:53	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 12:53	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 12:53	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.038	ug/L	0.023	0.10	1	*		9/19/2021 12:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 12:53	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 12:53	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 12:53	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#: 1047374 Sample Description: P-103 License/Well #: 00467/114 Sampled: 9/8/2021 08:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 12:53	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 12:53	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 12:53	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 12:53	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 12:53	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			9/19/2021 12:53	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			9/19/2021 12:53	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 12:53	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			9/19/2021 12:53	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#: 1047375 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 9/8/2021 13:10

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			9/15/2021 15:06	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:00	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	85.3	ug/L	1.2	5.0	1			9/13/2021 20:03	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 13:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 13:21	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#: 1047375 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 9/8/2021 13:10

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			9/19/2021 13:21	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 13:21	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 13:21	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 13:21	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 13:21	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 13:21	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 13:21	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 13:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 13:21	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 13:21	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 13:21	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#: 1047375 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 9/8/2021 13:10

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021 13:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021 13:21	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			9/19/2021 13:21	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			9/19/2021 13:21	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022		0.10	1			9/19/2021 13:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			9/19/2021 13:21	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1	Y		9/19/2021 13:21	RLD	EPA 8260C
Vinyl chloride	0.061	ug/L	0.019	*	0.10	1			9/19/2021 13:21	RLD	EPA 8260C
1,2 Dichloroethane-d4	96.0	% Recovery	70.0		130	1			9/19/2021 13:21	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0		130	1			9/19/2021 13:21	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0		130	1			9/19/2021 13:21	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0		130	1			9/19/2021 13:21	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#: 1047376 Sample Description: P-103D License/Well #: 00467/141 Sampled: 9/8/2021 09:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	68	mg/L	4.0	13	5			9/15/2021 15:26	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:01	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	32.1	ug/L	1.2	5.0	1			9/13/2021 20:11	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 13:49	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 13:49	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#: 1047376 Sample Description: P-103D License/Well #: 00467/141 Sampled: 9/8/2021 09:40

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			9/19/2021 13:49	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 13:49	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 13:49	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 13:49	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 13:49	RLD	EPA 8260C
Benzene	0.025	ug/L	0.022 *	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 13:49	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 13:49	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 13:49	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.27	ug/L	0.023	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 13:49	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 13:49	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 13:49	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 13:49	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#: 1047376 Sample Description: P-103D License/Well #: 00467/141 Sampled: 9/8/2021 09:40

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021	13:49	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021	13:49	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			9/19/2021	13:49	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			9/19/2021	13:49	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
Trichloroethene	0.063	ug/L	0.022	*	0.10	1			9/19/2021	13:49	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			9/19/2021	13:49	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1	Y		9/19/2021	13:49	RLD	EPA 8260C
Vinyl chloride	0.33	ug/L	0.019		0.10	1			9/19/2021	13:49	RLD	EPA 8260C
1,2 Dichloroethane-d4	98.0	% Recovery	70.0		130	1			9/19/2021	13:49	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0		130	1			9/19/2021	13:49	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0		130	1			9/19/2021	13:49	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0		130	1			9/19/2021	13:49	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#: 1047377 Sample Description: P-111D License/Well #: 00467/130 Sampled: 9/8/2021 13:10

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			9/15/2021 15:47	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:03	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	36.5	ug/L	1.2	5.0	1			9/13/2021 20:19	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 14:16	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 14:16	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 14:16	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 14:16	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 14:16	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 14:16	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 14:16	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#: 1047377 Sample Description: P-111D License/Well #: 00467/130 Sampled: 9/8/2021 13:10

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			9/19/2021 14:16	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31		2.0	1			9/19/2021 14:16	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15		1.0	1			9/19/2021 14:16	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19		1.0	1			9/19/2021 14:16	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84		4.0	1			9/19/2021 14:16	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			9/19/2021 14:16	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			9/19/2021 14:16	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			9/19/2021 14:16	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			9/19/2021 14:16	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Chloroethane	0.86	ug/L	0.40	*	1.5	1			9/19/2021 14:16	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			9/19/2021 14:16	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.3	ug/L	0.023		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			9/19/2021 14:16	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			9/19/2021 14:16	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021 14:16	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			9/19/2021 14:16	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#: 1047377 Sample Description: P-111D License/Well #: 00467/130 Sampled: 9/8/2021 13:10

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021	14:16	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021	14:16	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			9/19/2021	14:16	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			9/19/2021	14:16	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.043	ug/L	0.020	*	0.10	1			9/19/2021	14:16	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			9/19/2021	14:16	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1	Y		9/19/2021	14:16	RLD	EPA 8260C
Vinyl chloride	4.2	ug/L	0.019		0.10	1			9/19/2021	14:16	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0		130	1			9/19/2021	14:16	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0		130	1			9/19/2021	14:16	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0		130	1			9/19/2021	14:16	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0		130	1			9/19/2021	14:16	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#: 1047378 Sample Description: P-113B License/Well #: 00467/138 Sampled: 9/9/2021 09:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	73	mg/L	4.0	13	5			9/15/2021 16:08	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:04	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	62.5	ug/L	1.2	5.0	1			9/13/2021 20:48	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 14:44	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 14:44	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#: 1047378 Sample Description: P-113B License/Well #: 00467/138 Sampled: 9/9/2021 09:15

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			9/19/2021 14:44	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 14:44	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 14:44	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 14:44	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 14:44	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 14:44	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 14:44	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 14:44	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 14:44	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 14:44	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#: 1047378 Sample Description: P-113B License/Well #: 00467/138 Sampled: 9/9/2021 09:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 14:44	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 14:44	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 14:44	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 14:44	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 14:44	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			9/19/2021 14:44	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			9/19/2021 14:44	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 14:44	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			9/19/2021 14:44	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#: 1047379 Sample Description: P-114 License/Well #: 00467/140 Sampled: 9/9/2021 10:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	62	mg/L	0.80	2.5	1			9/15/2021 16:28	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:05	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	62.0	ug/L	1.2	5.0	1			9/13/2021 20:56	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 15:12	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 15:12	RLD	EPA 8260C

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

CT LAB#: 1047379 Sample Description: P-114 License/Well #: 00467/140 Sampled: 9/9/2021 10:20

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			9/19/2021 15:12	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 15:12	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 15:12	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 15:12	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 15:12	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 15:12	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 15:12	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.8	ug/L	0.023	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Dichlorodifluoromethane	0.18	ug/L	0.091 *	0.30	1			9/19/2021 15:12	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 15:12	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 15:12	RLD	EPA 8260C

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

CT LAB#: 1047379 Sample Description: P-114 License/Well #: 00467/140 Sampled: 9/9/2021 10:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 15:12	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 15:12	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 15:12	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 15:12	RLD	EPA 8260C
Vinyl chloride	11	ug/L	0.019	0.10	1			9/19/2021 15:12	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			9/19/2021 15:12	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			9/19/2021 15:12	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			9/19/2021 15:12	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			9/19/2021 15:12	RLD	EPA 8260C

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

CT LAB#: 1047380 Sample Description: P-115 License/Well #: 00467/142 Sampled: 9/9/2021 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	33	mg/L	0.80	2.5	1			9/15/2021 16:49	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:09	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	115	ug/L	1.2	5.0	1			9/13/2021 21:03	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 15:40	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 15:40	RLD	EPA 8260C

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

CT LAB#: 1047380 Sample Description: P-115 License/Well #: 00467/142 Sampled: 9/9/2021 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			9/19/2021 15:40	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 15:40	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 15:40	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 15:40	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 15:40	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 15:40	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 15:40	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.19	ug/L	0.023	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 15:40	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 15:40	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 15:40	RLD	EPA 8260C

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

CT LAB#: 1047380 Sample Description: P-115 License/Well #: 00467/142 Sampled: 9/9/2021 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 15:40	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 15:40	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 15:40	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 15:40	RLD	EPA 8260C
Vinyl chloride	0.63	ug/L	0.019	0.10	1			9/19/2021 15:40	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			9/19/2021 15:40	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			9/19/2021 15:40	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 15:40	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			9/19/2021 15:40	RLD	EPA 8260C

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

CT LAB#: 1047381 Sample Description: P-116 License/Well #: 00467/143 Sampled: 9/9/2021 11:25

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			9/15/2021 17:10	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:10	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	94.4	ug/L	1.2	5.0	1			9/13/2021 21:11	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 16:08	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 16:08	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#: 1047381 Sample Description: P-116 License/Well #: 00467/143 Sampled: 9/9/2021 11:25

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			9/19/2021 16:08	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 16:08	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 16:08	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 16:08	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 16:08	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 16:08	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 16:08	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 16:08	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 16:08	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 16:08	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#: 1047381 Sample Description: P-116 License/Well #: 00467/143 Sampled: 9/9/2021 11:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 16:08	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 16:08	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 16:08	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 16:08	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 16:08	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			9/19/2021 16:08	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			9/19/2021 16:08	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 16:08	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			9/19/2021 16:08	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#: 1047382 Sample Description: P-117 License/Well #: 00467/144 Sampled: 9/8/2021 17:30

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			9/15/2021 17:30	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:11	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	208	ug/L	1.2	5.0	1			9/13/2021 21:19	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 16:36	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 16:36	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#: 1047382 Sample Description: P-117 License/Well #: 00467/144 Sampled: 9/8/2021 17:30

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			9/19/2021 16:36	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 16:36	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 16:36	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 16:36	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 16:36	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 16:36	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Chloroethane	0.40	ug/L	0.40 *	1.5	1			9/19/2021 16:36	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 16:36	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.75	ug/L	0.023	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 16:36	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 16:36	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 16:36	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 16:36	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#: 1047382 Sample Description: P-117 License/Well #: 00467/144 Sampled: 9/8/2021 17:30

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021	16:36	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021	16:36	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			9/19/2021	16:36	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			9/19/2021	16:36	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
Trichloroethene	0.048	ug/L	0.022	*	0.10	1			9/19/2021	16:36	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			9/19/2021	16:36	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1	Y		9/19/2021	16:36	RLD	EPA 8260C
Vinyl chloride	1.5	ug/L	0.019		0.10	1			9/19/2021	16:36	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0		130	1			9/19/2021	16:36	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0		130	1			9/19/2021	16:36	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0		130	1			9/19/2021	16:36	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0		130	1			9/19/2021	16:36	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#: 1047383 Sample Description: P-118 License/Well #: 00467/145 Sampled: 9/8/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	26	mg/L	0.80	2.5	1			9/15/2021 17:51	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:12	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	66.4	ug/L	1.2	5.0	1			9/13/2021 21:27	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 17:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 17:04	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#: 1047383 Sample Description: P-118 License/Well #: 00467/145 Sampled: 9/8/2021 16:30

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			9/19/2021 17:04	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 17:04	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 17:04	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 17:04	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 17:04	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 17:04	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 17:04	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 17:04	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 17:04	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 17:04	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#: 1047383 Sample Description: P-118 License/Well #: 00467/145 Sampled: 9/8/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 17:04	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 17:04	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 17:04	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 17:04	RLD	EPA 8260C
Vinyl chloride	0.13	ug/L	0.019	0.10	1			9/19/2021 17:04	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			9/19/2021 17:04	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			9/19/2021 17:04	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			9/19/2021 17:04	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			9/19/2021 17:04	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#: 1047384 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 9/8/2021 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	19	mg/L	0.80	2.5	1			9/15/2021 18:53	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:14	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	440	ug/L	1.2	5.0	1			9/13/2021 21:35	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 17:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 17:32	RLD	EPA 8260C

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

CT LAB#: 1047384 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 9/8/2021 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			9/19/2021 17:32	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 17:32	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 17:32	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 17:32	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 17:32	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 17:32	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 17:32	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 17:32	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 17:32	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 17:32	RLD	EPA 8260C

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

CT LAB#: 1047384 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 9/8/2021 12:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 17:32	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 17:32	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 17:32	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 17:32	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 17:32	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			9/19/2021 17:32	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			9/19/2021 17:32	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 17:32	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			9/19/2021 17:32	RLD	EPA 8260C

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

CT LAB#: 1047385 Sample Description: P-107D License/Well #: 00467/119 Sampled: 9/8/2021 15:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	22	mg/L	0.80	2.5	1			9/15/2021 19:14	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:15	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	214	ug/L	1.2	5.0	1			9/13/2021 21:43	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	0.018	ug/L	0.011 *	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 18:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:00	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#: 1047385 Sample Description: P-107D License/Well #: 00467/119 Sampled: 9/8/2021 15:30

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			9/19/2021 18:00	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 18:00	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 18:00	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 18:00	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 18:00	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 18:00	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Chloroethane	0.69	ug/L	0.40 *	1.5	1			9/19/2021 18:00	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 18:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.62	ug/L	0.023	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 18:00	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 18:00	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 18:00	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#: 1047385 Sample Description: P-107D License/Well #: 00467/119 Sampled: 9/8/2021 15:30

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021 18:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021 18:00	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			9/19/2021 18:00	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38		2.0	1			9/19/2021 18:00	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Trichloroethene	0.047	ug/L	0.022	*	0.10	1			9/19/2021 18:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			9/19/2021 18:00	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1	Y		9/19/2021 18:00	RLD	EPA 8260C
Vinyl chloride	2.1	ug/L	0.019		0.10	1			9/19/2021 18:00	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0		130	1			9/19/2021 18:00	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0		130	1			9/19/2021 18:00	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0		130	1			9/19/2021 18:00	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0		130	1			9/19/2021 18:00	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#: 1047386 Sample Description: P-113A License/Well #: 00467/136 Sampled: 9/9/2021 08:30

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			9/15/2021 19:35	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:16	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	8.2	ug/L	1.2	5.0	1			9/13/2021 21:51	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 18:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:28	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#: 1047386 Sample Description: P-113A License/Well #: 00467/136 Sampled: 9/9/2021 08:30

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			9/19/2021 18:28	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 18:28	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 18:28	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 18:28	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 18:28	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 18:28	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			9/19/2021 18:28	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Chloromethane	0.079	ug/L	0.045 *	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			9/19/2021 18:28	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 18:28	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 18:28	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#: 1047386 Sample Description: P-113A License/Well #: 00467/136 Sampled: 9/9/2021 08:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 18:28	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 18:28	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 18:28	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 18:28	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			9/19/2021 18:28	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			9/19/2021 18:28	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 18:28	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			9/19/2021 18:28	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#: 1047387 Sample Description: DUP-1 License #:00467 Sampled: 9/9/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	62	mg/L	0.80	2.5	1			9/15/2021 19:55	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			9/18/2021 12:17	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	61.6	ug/L	1.2	5.0	1			9/13/2021 21:59	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 18:55	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 18:55	RLD	EPA 8260C

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

CT LAB#: 1047387 Sample Description: DUP-1 License #:00467 Sampled: 9/9/2021

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			9/19/2021 18:55	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 18:55	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 18:55	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 18:55	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			9/19/2021 18:55	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			9/19/2021 18:55	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Chloroethane	0.55	ug/L	0.40 *	1.5	1			9/19/2021 18:55	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.9	ug/L	0.023	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Dichlorodifluoromethane	0.20	ug/L	0.091 *	0.30	1			9/19/2021 18:55	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			9/19/2021 18:55	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			9/19/2021 18:55	RLD	EPA 8260C

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

CT LAB#: 1047387 Sample Description: DUP-1 License #:00467 Sampled: 9/9/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			9/19/2021 18:55	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 18:55	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 18:55	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 18:55	RLD	EPA 8260C
Vinyl chloride	10	ug/L	0.019	0.10	1			9/19/2021 18:55	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			9/19/2021 18:55	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			9/19/2021 18:55	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			9/19/2021 18:55	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			9/19/2021 18:55	RLD	EPA 8260C

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

CT LAB#: 1047388 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 9/9/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			9/19/2021 11:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			9/19/2021 11:28	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			9/19/2021 11:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			9/19/2021 11:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			9/19/2021 11:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			9/19/2021 11:28	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			9/19/2021 11:28	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			9/19/2021 11:28	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			9/19/2021 11:28	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#: 1047388 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 9/9/2021

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			9/19/2021	11:28	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			9/19/2021	11:28	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			9/19/2021	11:28	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			9/19/2021	11:28	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			9/19/2021	11:28	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1			9/19/2021	11:28	RLD	EPA 8260C
Chloroform	0.024	ug/L	0.016	*	0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			9/19/2021	11:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			9/19/2021	11:28	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			9/19/2021	11:28	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			9/19/2021	11:28	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			9/19/2021	11:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			9/19/2021	11:28	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			9/19/2021	11:28	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			9/19/2021	11:28	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#: 1047388 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 9/9/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.025	ug/L	0.025	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			9/19/2021 11:28	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			9/19/2021 11:28	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			9/19/2021 11:28	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1	Y		9/19/2021 11:28	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			9/19/2021 11:28	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			9/19/2021 11:28	RLD	EPA 8260C
Bromofluorobenzene	98.0	% Recovery	70.0	130	1			9/19/2021 11:28	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			9/19/2021 11:28	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			9/19/2021 11:28	RLD	EPA 8260C

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

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# ACC20190002
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
GA EPD Stipulation ID ACC20190002

Preventative Action Limit (PAL) Exceedances

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

Well Description: ***MW-103***	**Well #:** ***112***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Nitrate+Nitrite Nitrogen Total	00630	9.1	2	10	0.24	mg/L
Total Manganese	01055	217	60	300	1.4	ug/L
Trichloroethene	39180	0.85	0.5	5	0.022	ug/L

Well Description: ***MW-112***	**Well #:** ***121***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	83.9	60	300	1.2	ug/L
Total Manganese	01055	333	60	300	1.4	ug/L

Well Description: ***MW-3A***	**Well #:** ***133***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	440	60	300	1.2	ug/L

Well Description: ***MW-3B***	**Well #:** ***134***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	85.3	60	300	1.2	ug/L
Vinyl chloride	39175	0.061	0.02	0.20	0.019	ug/L

Well Description: ***P-103***	**Well #:** ***114***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	92.5	60	300	1.2	ug/L

Well Description: ***P-103D***	**Well #:** ***141***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.33	0.02	0.20	0.019	ug/L

Well Description: ***P-107D***	**Well #:** ***119***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	214	60	300	1.2	ug/L
Vinyl chloride	39175	2.1	0.02	0.20	0.019	ug/L

Well Description: ***P-111D***	**Well #:** ***130***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	4.2	0.02	0.20	0.019	ug/L

Well Description: ***P-113B***	**Well #:** ***138***			**Sample Date**	**09/09/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units

Well Description: ***P-113B***	**Well #:** ***138***			**Sample Date**	**09/09/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	62.5	60	300	1.2	ug/L

Well Description: ***P-114***	**Well #:** ***140***			**Sample Date**	**09/09/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	62.0	60	300	1.2	ug/L
Vinyl chloride	39175	11	0.02	0.20	0.019	ug/L

Well Description: ***P-115***	**Well #:** ***142***			**Sample Date**	**09/09/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	115	60	300	1.2	ug/L
Vinyl chloride	39175	0.63	0.02	0.20	0.019	ug/L

Well Description: ***P-116***	**Well #:** ***143***			**Sample Date**	**09/09/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	94.4	60	300	1.2	ug/L

Well Description: ***P-117***	**Well #:** ***144***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	208	60	300	1.2	ug/L
Vinyl chloride	39175	1.5	0.02	0.20	0.019	ug/L

Well Description: ***P-118***	**Well #:** ***145***			**Sample Date**	**09/08/2021**	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	66.4	60	300	1.2	ug/L
Vinyl chloride	39175	0.13	0.02	0.20	0.019	ug/L

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

Parameter	Sample Date				
	9/8/2021	6/18/2021	7/14/2020	4/28/2020	7/22/2019
Acetone				1.1	0.88
Carbon disulfide				0.022	
Chloromethane				0.061	
cis-1,2-Dichloroethene	0.11	0.13	0.24	0.24	0.31
Tetrachloroethene	0.22	0.24	0.24	0.25	0.29
trans-1,2-Dichloroethene					0.052
Trichloroethene	0.85	1.1	1.5	1.4	1.6

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

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

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

Parameter	Sample Date			
	9/8/2021	7/14/2020	4/27/2020	7/23/2019
Acetone				0.40
Carbon disulfide			0.029	
cis-1,2-Dichloroethene	0.038	0.043	0.040	
Trichloroethene			0.035	
Vinyl chloride			0.027	0.038

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

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

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

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

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

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

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

Parameter	Sample Date								
	9/8/2021	6/17/2021	3/25/2021	10/29/2020	7/14/2020	4/28/2020	2/25/2020	10/21/2019	7/23/2019
1,1-Dichloroethane			0.023	0.025				0.029	
1,2,4-Trimethylbenzene	0.018	0.014	0.019			0.021			
Acetone									0.61
Carbon disulfide					0.024	0.044	0.044	0.036	
Chloroethane	0.69	1.3	1.9	2.9	2.6		0.45	2.0	1.4
Chloromethane							0.053		
cis-1,2-Dichloroethene	0.62	1.5	2.0	2.3	1.7	0.81	0.66	2.1	1.9
Dichlorodifluoromethane					0.067			0.17	
Tetrahydrofuran			0.84	0.84					
Toluene			0.014	0.024					
Trichloroethene	0.047	0.059	0.15	0.13	0.098	0.037	0.043	0.12	0.14
Vinyl chloride	2.1	5.4	4.3	5.7	5.8	2.8	2.1	7.6	4.4

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

Parameter	Sample Date				
	9/8/2021	6/18/2021	7/14/2020	4/28/2020	7/22/2019
Acetone				0.93	
Chlorobenzene	0.072	0.083	0.068	0.047	0.10
Chloromethane				0.056	
cis-1,2-Dichloroethene	0.057	0.059	0.15	0.16	0.21
Dichlorodifluoromethane				0.032	
Tetrachloroethene	0.10	0.084	0.24	0.28	0.16
Trichloroethene	0.27	0.30	0.62	1.0	0.74
Vinyl chloride				0.025	0.040

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

Parameter	Sample Date								
	9/8/2021	6/17/2021	3/25/2021	10/29/2020	7/13/2020	4/28/2020	2/25/2020	10/21/2019	7/23/2019
Acetone									0.63
Carbon disulfide					0.021	0.026	0.018	0.043	
Chloroethane	0.86	0.76	0.93	1.1	1.6	1.5	0.89	0.86	0.89
Chloromethane						0.047	0.11		0.040
cis-1,2-Dichloroethene	3.3	3.3	3.0	3.4	3.1	3.3	2.8	2.9	3.3
Dichlorodifluoromethane					0.058	0.052		0.16	
Methyl tert-butyl ether			0.024						
Tetrahydrofuran			0.57						
Toluene				0.015					
trans-1,2-Dichloroethene	0.043		0.050	0.049		0.042	0.035	0.042	
Vinyl chloride	4.2	3.2	3.2	3.9	3.7	3.6	3.0	4.6	4.6

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

Parameter	Sample Date					
	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Acetone						0.35
Carbon disulfide		0.025	0.024		0.025	
Chloromethane		0.046	0.047	0.084	0.030	
Toluene	0.052					

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

Parameter	Sample Date							
	9/8/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Acetone								0.84
Carbon disulfide				0.043	0.022		0.027	
Chloroform			0.018					
Chloromethane				0.037		0.073		
cis-1,2-Dichloroethene		0.032	0.029					
Vinyl chloride	0.061	0.042	0.049			0.035	0.051	0.065

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

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

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

Parameter	Sample Date					
	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Acetone			0.93			0.32
Carbon disulfide		0.019	0.019		0.025	
Chloromethane	0.054	0.033	0.046	0.048	0.030	

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

Parameter	Sample Date								
	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Acetone						0.84			0.72
Carbon disulfide					0.019	0.024		0.021	
Chloroethane			0.47	0.43	0.34	0.52	0.27	0.24	0.29
Chloromethane					0.044	0.042	0.039		
cis-1,2-Dichloroethene	1.8	1.9	1.8	2.0	2.0	2.1	1.8	1.6	2.1
Dichlorodifluoromethane	0.18				0.040	0.047		0.15	
Tetrahydrofuran			0.65	0.64		0.63			
Toluene				0.029					
trans-1,2-Dichloroethene			0.028	0.038		0.036			
Vinyl chloride	11	8.0	7.4	8.1	7.7	7.7	7.4	8.0	6.9

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

Parameter	Sample Date								
	9/8/2021	6/18/2021	3/25/2021	10/28/2020	7/14/2020	4/27/2020	2/26/2020	10/21/2019	7/23/2019
Acetone									0.41
Benzene	0.025	0.032	0.028	0.025	0.029	0.022	0.022		0.042
Carbon disulfide						0.018	0.017		
Chloromethane						0.045	0.082		
cis-1,2-Dichloroethene	0.27	0.31	0.30	0.33	0.32	0.26	0.25	0.25	0.24
Toluene				0.021					
Trichloroethene	0.063	0.075	0.076	0.073	0.070	0.054	0.062	0.050	0.10
Vinyl chloride	0.33	0.24	0.23	0.26	0.30	0.25	0.22	0.27	0.17

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

Parameter	Sample Date								
	9/9/2021	6/17/2021	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Acetone						0.93			0.71
Carbon disulfide					0.032	0.052	0.047	0.025	
Chloromethane					0.041	0.042	0.040		
cis-1,2-Dichloroethene	0.19	0.21	0.20	0.20	0.19	0.19	0.17	0.15	0.14
Vinyl chloride	0.63	0.53	0.52	0.67	0.85	0.83	0.72	0.96	0.91

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

Parameter	Sample Date				
	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Acetone					0.59
Carbon disulfide	0.018	0.039	0.028	0.049	
Chloromethane		0.050	0.062		

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

Parameter	Sample Date								
	9/8/2021	6/18/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Benzene		0.022	0.029	0.028	0.022	0.024	0.022		
Carbon disulfide					0.034	0.019	0.017		
Chloroethane	0.40		0.41	0.59	0.72	0.55	0.35	0.38	0.36
Chloromethane					0.040		0.084		
cis-1,2-Dichloroethene	0.75	0.75	0.75	0.79	0.78	0.77	0.69	0.78	0.84
Dichlorodifluoromethane					0.041			0.12	
Naphthalene						0.025	0.034		
Toluene				0.020					
Trichloroethene	0.048		0.054	0.065	0.063	0.046	0.047	0.061	0.061
Vinyl chloride	1.5	1.1	1.0	1.2	1.4	1.2	1.1	1.5	1.3

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

Parameter	Sample Date								
	9/8/2021	6/18/2021	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019
Carbon disulfide		0.12				0.023	0.028	0.054	
Chloromethane					0.052	0.053	0.084		
Naphthalene								0.026	
Toluene			0.020	0.032	0.023	0.033	0.020	0.038	0.055
Vinyl chloride	0.13	0.087	0.086	0.088		0.047	0.024	0.079	0.064

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

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

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

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

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

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

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

Parameter	Sample Date								
	9/9/2021	6/18/2021	3/25/2021	10/29/2020	6/9/2020	4/28/2020	1/20/2020	10/21/2019	7/21/2019
1,4-Dioxane					13				
Acetone		2.0				1.3		3.3	1.1
Carbon disulfide					0.021			0.021	
Chloroform	0.024								
Chloromethane				0.051	0.037		0.49	0.046	
Methylene chloride		0.25	0.34	0.46	1.2	0.92	0.40	0.20	1.3
Toluene				0.064					

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QC Summary Report

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

SDG #: 0 **Folder #: 164407** **Project #: 421748**

Lab Control Spike Water

Analytical Run #:	195434	Analysis Date:	9/15/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1050438	Analysis Time:	09:55	Prep Date/Time:		Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfate	24.36	mg/L			25.00	97	80 --- 120		

Method Blank Water

Analytical Run #:	195434	Analysis Date:	9/15/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1049690	Analysis Time:	10:15	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		

Lab Control Spike Water

Analytical Run #:	195577	Analysis Date:	9/18/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1050808	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 Total	4.860	mg/L			5.0	97	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	4.860	mg/L			5.0	97	90 --- 110		

Method Blank Water

Analytical Run #:	195577	Analysis Date:	9/18/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1050809	Analysis Time:	11:51	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	0.12	mg/L		U	0		0.12		

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

SDG #: 0 **Folder #: 164407** **Project #: 421748**

Matrix Spike Water

Analytical Run #:	195577	Analysis Date:	9/18/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1052859	Analysis Time:	15:06	Prep Date/Time:		Method:	
Parent Sample #:	1047372	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	14.1	mg/L	9.1		4.0	125	90	---	110		20

MS/MSD were performed on non-project samples.

Matrix Spike Duplicate Water

Analytical Run #:	195316	Analysis Date:	9/13/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1050672	Analysis Time:	19:40	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1050671	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1110	ug/L	5.3		1000	110	67 --- 121	16	13

Matrix Spike Water

Analytical Run #:	195316	Analysis Date:	9/13/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1050671	Analysis Time:	19:33	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1047372	Analyst:	NAH	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	943	ug/L	5.3		1000	94	67 --- 121		13

Lab Control Spike Water

Analytical Run #:	195451	Analysis Date:	9/21/2021	Prep Batch #:	82522	Matrix:	LIQUID
CTLab #:	1047849	Analysis Time:	01:52	Prep Date/Time:	09/14/2021 06:16	Method:	SW6010
Parent Sample #:		Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	203.0	ug/L			200.0	102	80 --- 120		

Method Blank Water

Analytical Run #:	195451	Analysis Date:	9/21/2021	Prep Batch #:	82522	Matrix:	LIQUID
CTLab #:	1047848	Analysis Time:	02:00	Prep Date/Time:	09/14/2021 06:16	Method:	SW6010
Parent Sample #:		Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1.4	ug/L		U	0		1.4		

Matrix Spike Duplicate Water

Analytical Run #:	195451	Analysis Date:	9/21/2021	Prep Batch #:	82522	Matrix:	GROUND WATER
CTLab #:	1047851	Analysis Time:	02:23	Prep Date/Time:	09/14/2021 06:16	Method:	SW6010
Parent Sample #:	1047850	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	397	ug/L	217		200	90	84 --- 111	2	7

Matrix Spike Water

Analytical Run #:	195451	Analysis Date:	9/21/2021	Prep Batch #:	82522	Matrix:	GROUND WATER
CTLab #:	1047850	Analysis Time:	02:15	Prep Date/Time:	09/14/2021 06:16	Method:	SW6010
Parent Sample #:	1047372	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	389	ug/L	217		200	86	84 --- 111		7

Lab Control Spike Duplicate Water

Analytical Run #:	195327	Analysis Date:	9/19/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1052135	Analysis Time:	19:23	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1052134	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	4.01	ug/L	3.91		4.0	100	78	---	121	3	20
1,1,1-Trichloroethane	4.23	ug/L	4.00		4.0	106	82	---	122	6	20
1,1,2,2-Tetrachloroethane	3.76	ug/L	3.82		4.0	94	68	---	128	2	20
1,1,2-Trichloroethane	3.91	ug/L	3.77		4.0	98	84	---	114	4	20
1,1-Dichloroethane	4.10	ug/L	3.82		4.0	102	76	---	122	7	20
1,1-Dichloroethene	4.33	ug/L	4.03		4.0	108	83	---	123	7	20
1,1-Dichloropropene	4.21	ug/L	3.95		4.0	105	85	---	120	6	20
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	87	---	107	0	
1,2,3-Trichlorobenzene	4.06	ug/L	4.03		4.0	102	78	---	121	1	20
1,2,3-Trichloropropane	3.86	ug/L	3.72		4.0	96	62	---	129	4	20
1,2,4-Trichlorobenzene	4.25	ug/L	4.10		4.0	106	80	---	120	4	20
1,2,4-Trimethylbenzene	4.19	ug/L	3.96		4.0	105	76	---	125	6	20
1,2-Dibromo-3-chloropropane	3.87	ug/L	4.06		4.0	97	69	---	125	5	20
1,2-Dibromoethane	3.95	ug/L	3.81		4.0	99	80	---	118	4	20
1,2-Dichlorobenzene	3.98	ug/L	3.80		4.0	100	80	---	117	5	20
1,2-Dichloroethane	4.01	ug/L	3.75		4.0	100	78	---	118	7	20
1,2-Dichloropropane	4.19	ug/L	3.97		4.0	105	78	---	121	5	20
1,3,5-Trimethylbenzene	4.25	ug/L	4.06		4.0	106	76	---	126	5	20
1,3-Dichlorobenzene	4.05	ug/L	3.92		4.0	101	78	---	119	3	20
1,3-Dichloropropane	4.04	ug/L	3.77		4.0	101	82	---	117	7	20
1,4-Dichlorobenzene	4.01	ug/L	3.87		4.0	100	77	---	118	4	20
2,2-Dichloropropane	3.63	ug/L	3.93		4.0	91	71	---	133	8	20
2-Butanone	38.9	ug/L	36.8		40.0	97	80	---	120	6	20
2-Chlorotoluene	4.03	ug/L	3.84		4.0	101	73	---	124	5	20
2-Hexanone	38.2	ug/L	37.7		40.0	96	73	---	127	1	20
4-Chlorotoluene	4.20	ug/L	3.90		4.0	105	74	---	125	7	20
4-Methyl-2-pentanone	40.1	ug/L	38.5		40.0	100	77	---	125	4	20
Acetone	37.7	ug/L	40.9		40.0	94	72	---	117	8	20
Benzene	4.12	ug/L	3.78		4.0	103	82	---	118	9	20
Bromobenzene	4.01	ug/L	3.83		4.0	100	77	---	118	5	20
Bromochloromethane	3.98	ug/L	3.69		4.0	100	81	---	116	8	20
Bromodichloromethane	4.14	ug/L	3.85		4.0	104	80	---	122	7	20
Bromofluorobenzene	99.0	% Recovery			100	99.0	90	---	108	0	
Bromoform	4.10	ug/L	4.40		4.0	102	72	---	124	7	20
Bromomethane	3.77	ug/L	3.45		4.0	94	25	---	156	9	20
Carbon disulfide	8.50	ug/L	8.10		8.0	106	81	---	124	5	20
Carbon tetrachloride	4.29	ug/L	4.13		4.0	107	87	---	129	4	20
Chlorobenzene	4.01	ug/L	3.81		4.0	100	78	---	118	5	20
Chloroethane	4.21	ug/L	3.69		4.0	105	73	---	126	13	20
Chloroform	4.04	ug/L	3.78		4.0	101	76	---	119	7	20
Chloromethane	4.11	ug/L	3.79		4.0	103	70	---	121	8	20
cis-1,2-Dichloroethene	3.97	ug/L	3.74		4.0	99	82	---	118	6	20

Lab Control Spike Duplicate Water

Analytical Run #:	195327	Analysis Date:	9/19/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1052135	Analysis Time:	19:23	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1052134	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	3.97	ug/L	3.96		4.0	99	81	---	123	0	20
d8-Toluene	101	% Recovery			100	101	93	---	108	0	
Dibromochloromethane	4.20	ug/L	4.22		4.0	105	76	---	124	0	20
Dibromofluoromethane	102	% Recovery			100	102	93	---	106	0	
Dibromomethane	3.95	ug/L	3.70		4.0	99	83	---	115	7	20
Dichlorodifluoromethane	4.20	ug/L	3.80		4.0	105	78	---	126	10	20
Diisopropyl ether	4.06	ug/L	3.84		4.0	102	75	---	125	6	20
Ethylbenzene	4.13	ug/L	3.95		4.0	103	78	---	125	4	20
Hexachlorobutadiene	4.26	ug/L	3.93		4.0	106	79	---	123	8	20
Isopropylbenzene	4.28	ug/L	4.14		4.0	107	81	---	124	3	20
m & p-Xylene	8.35	ug/L	7.94		8.0	104	80	---	123	5	20
Methyl tert-butyl ether	4.09	ug/L	3.71		4.0	102	82	---	116	10	20
Methylene chloride	4.08	ug/L	3.72		4.0	102	73	---	128	9	20
n-Butylbenzene	4.23	ug/L	3.97		4.0	106	76	---	127	6	20
n-Propylbenzene	4.25	ug/L	4.10		4.0	106	75	---	129	4	20
Naphthalene	3.91	ug/L	4.11		4.0	98	64	---	129	5	20
o-Xylene	4.08	ug/L	3.90		4.0	102	81	---	121	5	20
p-Isopropyltoluene	4.38	ug/L	4.12		4.0	110	79	---	126	6	20
sec-Butylbenzene	4.31	ug/L	4.12		4.0	108	76	---	128	5	20
Styrene	4.26	ug/L	3.96		4.0	106	81	---	122	7	20
tert-Butylbenzene	4.32	ug/L	4.04		4.0	108	76	---	125	7	20
Tetrachloroethene	4.18	ug/L	3.91		4.0	104	82	---	123	7	20
Tetrahydrofuran	37.8	ug/L	35.9		40.0	94	69	---	122	5	20
Toluene	4.05	ug/L	3.82		4.0	101	82	---	119	6	20
trans-1,2-Dichloroethene	4.11	ug/L	3.81		4.0	103	80	---	122	8	20
trans-1,3-Dichloropropene	3.95	ug/L	3.81		4.0	99	83	---	119	4	20
Trichloroethene	4.25	ug/L	3.82		4.0	106	82	---	120	11	20
Trichlorofluoromethane	4.34	ug/L	3.93		4.0	108	78	---	130	10	20
Vinyl acetate	26.9	ug/L	33.4		40.0	67	63	---	136	22	20
Vinyl chloride	4.06	ug/L	3.77		4.0	102	73	---	127	7	20

Lab Control Spike Water

Analytical Run #:	195327	Analysis Date:	9/19/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1052134	Analysis Time:	09:07	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	3.91	ug/L			4.0	98	78	---	121		20
1,1,1-Trichloroethane	4.00	ug/L			4.0	100	82	---	122		20
1,1,2,2-Tetrachloroethane	3.82	ug/L			4.0	96	68	---	128		20
1,1,2-Trichloroethane	3.77	ug/L			4.0	94	84	---	114		20
1,1-Dichloroethane	3.82	ug/L			4.0	96	76	---	122		20
1,1-Dichloroethene	4.03	ug/L			4.0	101	83	---	123		20
1,1-Dichloropropene	3.95	ug/L			4.0	99	85	---	120		20
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	87	---	107		
1,2,3-Trichlorobenzene	4.03	ug/L			4.0	101	78	---	121		20
1,2,3-Trichloropropane	3.72	ug/L			4.0	93	62	---	129		20
1,2,4-Trichlorobenzene	4.10	ug/L			4.0	102	80	---	120		20
1,2,4-Trimethylbenzene	3.96	ug/L			4.0	99	76	---	125		20
1,2-Dibromo-3-chloropropane	4.06	ug/L			4.0	102	69	---	125		20
1,2-Dibromoethane	3.81	ug/L			4.0	95	80	---	118		20
1,2-Dichlorobenzene	3.80	ug/L			4.0	95	80	---	117		20
1,2-Dichloroethane	3.75	ug/L			4.0	94	78	---	118		20
1,2-Dichloropropane	3.97	ug/L			4.0	99	78	---	121		20
1,3,5-Trimethylbenzene	4.06	ug/L			4.0	102	76	---	126		20
1,3-Dichlorobenzene	3.92	ug/L			4.0	98	78	---	119		20
1,3-Dichloropropane	3.77	ug/L			4.0	94	82	---	117		20
1,4-Dichlorobenzene	3.87	ug/L			4.0	97	77	---	118		20
2,2-Dichloropropane	3.93	ug/L			4.0	98	71	---	133		20
2-Butanone	36.8	ug/L			40.0	92	80	---	120		20
2-Chlorotoluene	3.84	ug/L			4.0	96	73	---	124		20
2-Hexanone	37.7	ug/L			40.0	94	73	---	127		20
4-Chlorotoluene	3.90	ug/L			4.0	98	74	---	125		20
4-Methyl-2-pentanone	38.5	ug/L			40.0	96	77	---	125		20
Acetone	40.9	ug/L			40.0	102	72	---	117		20
Benzene	3.78	ug/L			4.0	94	82	---	118		20
Bromobenzene	3.83	ug/L			4.0	96	77	---	118		20
Bromochloromethane	3.69	ug/L			4.0	92	81	---	116		20
Bromodichloromethane	3.85	ug/L			4.0	96	80	---	122		20
Bromofluorobenzene	100	% Recovery			100	100	90	---	108		
Bromoform	4.40	ug/L			4.0	110	72	---	124		20
Bromomethane	3.45	ug/L			4.0	86	25	---	156		20
Carbon disulfide	8.10	ug/L			8.0	101	81	---	124		20
Carbon tetrachloride	4.13	ug/L			4.0	103	87	---	129		20
Chlorobenzene	3.81	ug/L			4.0	95	78	---	118		20
Chloroethane	3.69	ug/L			4.0	92	73	---	126		20
Chloroform	3.78	ug/L			4.0	94	76	---	119		20
Chloromethane	3.79	ug/L			4.0	95	70	---	121		20
cis-1,2-Dichloroethene	3.74	ug/L			4.0	94	82	---	118		20

Lab Control Spike Water

Analytical Run #:	195327	Analysis Date:	9/19/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1052134	Analysis Time:	09:07	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	3.96	ug/L			4.0	99	81	---	123		20
d8-Toluene	99.0	% Recovery			100	99.0	93	---	108		
Dibromochloromethane	4.22	ug/L			4.0	106	76	---	124		20
Dibromofluoromethane	101	% Recovery			100	101	93	---	106		
Dibromomethane	3.70	ug/L			4.0	92	83	---	115		20
Dichlorodifluoromethane	3.80	ug/L			4.0	95	78	---	126		20
Diisopropyl ether	3.84	ug/L			4.0	96	75	---	125		20
Ethylbenzene	3.95	ug/L			4.0	99	78	---	125		20
Hexachlorobutadiene	3.93	ug/L			4.0	98	79	---	123		20
Isopropylbenzene	4.14	ug/L			4.0	104	81	---	124		20
m & p-Xylene	7.94	ug/L			8.0	99	80	---	123		20
Methyl tert-butyl ether	3.71	ug/L			4.0	93	82	---	116		20
Methylene chloride	3.72	ug/L			4.0	93	73	---	128		20
n-Butylbenzene	3.97	ug/L			4.0	99	76	---	127		20
n-Propylbenzene	4.10	ug/L			4.0	102	75	---	129		20
Naphthalene	4.11	ug/L			4.0	103	64	---	129		20
o-Xylene	3.90	ug/L			4.0	98	81	---	121		20
p-Isopropyltoluene	4.12	ug/L			4.0	103	79	---	126		20
sec-Butylbenzene	4.12	ug/L			4.0	103	76	---	128		20
Styrene	3.96	ug/L			4.0	99	81	---	122		20
tert-Butylbenzene	4.04	ug/L			4.0	101	76	---	125		20
Tetrachloroethene	3.91	ug/L			4.0	98	82	---	123		20
Tetrahydrofuran	35.9	ug/L			40.0	90	69	---	122		20
Toluene	3.82	ug/L			4.0	96	82	---	119		20
trans-1,2-Dichloroethene	3.81	ug/L			4.0	95	80	---	122		20
trans-1,3-Dichloropropene	3.81	ug/L			4.0	95	83	---	119		20
Trichloroethene	3.82	ug/L			4.0	96	82	---	120		20
Trichlorofluoromethane	3.93	ug/L			4.0	98	78	---	130		20
Vinyl acetate	33.4	ug/L			40.0	84	63	---	136		20
Vinyl chloride	3.77	ug/L			4.0	94	73	---	127		20

Method Blank Water

Analytical Run #:	195327	Analysis Date:	9/19/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1051061	Analysis Time:	11:00	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	99.0	% Recovery			100	99.0	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	1.02	ug/L			0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	99.0	% Recovery			100	99.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	195327	Analysis Date:	9/19/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1051061	Analysis Time:	11:00	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	98.0	% Recovery			100	98.0	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	101	% Recovery			100	101	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.014	ug/L		U	0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	164407	Print Date / Time:	09/10/2021	11:09	
Client:	TRC ENVIRONMENTAL	Received Date / Time / By:	09/10/2021	10:53	erc
Project Name:	RIPON FF/NN LANDFILL	Log-In Date / Time / By:	09/10/2021	11:09	erc
Project Phase:	RIPON, WI	Project #:	421748	PM:	BMS
Coolers:	6636	Temperature:	1.0 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:	2834 0732259		
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**		

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

THE COC NOTED THAT SAMPLES MW-103 AND MW-112 SHOULD BE LAB FILTERED FOR THE DISSOLVED MANGANESE; HOWEVER, THESE SAMPLES WERE COLLECTED IN PRESERVED BOTTLES. PER THE CLIENT'S INSTRUCTIONS, THE UNPRESERVED BOTTLE FOR SULFATE WILL BE SPLIT AND THEN A SMALL ALIQUOT WILL BE LAB FILTERED FOR DISSOLVED MANGANESE. ADDITIONALLY, TOTAL MANGANESE WILL BE ANALYZED ON THE PRESERVED BOTTLES FOR THESE TWO SAMPLES.

THE SAMPLE TIMES ON THE LABELS FOR P-111D DO NOT MATCH THE TIME LISTED ON THE COC, LOGGED PER COC.

ONE CUSTODY SEAL WAS PRESENT AND INTACT UPON RECEIPT - DATED 9-9-21 AND SIGNED.

Sample ID /	Description	Container Type	Cond. Code	pH OK?	/ Filtered?	Tests
1047372	MW-103					
		UNPRES PL	1		/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047372	MW-103					
		UNPRES PL	1	N	/ N	FILTRATION
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047372	MW-103					
		LABEL ONLY	1	N	/ N	ICP
		Total # of Containers of Type	(***LABEL ONLY***) = **1**			
1047372	MW-103					
		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1047372	MW-103					
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			

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

1047373	MW-112						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1047373	MW-112						
		UNPRES PL	1	N	/	N	FILTRATION
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1047373	MW-112						
		LABEL ONLY	1	N	/	N	ICP
		Total # of Containers of Type	(***LABEL ONLY***) = **1**				
1047373	MW-112						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1047373	MW-112						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**				

Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047374	P-103					
		UNPRES PL	1		/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047374	P-103					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1047374	P-103					
		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1047374	P-103					
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			

Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047375	MW-3B					
		UNPRES PL	1		/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047375	MW-3B					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1047375	MW-3B					

		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**			
1047375	MW-3B					
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 3**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1047376	P-103D				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1047376	P-103D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**		
1047376	P-103D				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**		
1047376	P-103D				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1047377	P-111D				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		
1047377	P-111D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	**(*HNO3*) = 1**		
1047377	P-111D				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) = 1**		
1047377	P-111D				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	**(*VOA HCL*) = 3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1047378	P-113B				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	**(*UNPRES PL*) = 1**		

1047378	P-113B						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type (*HNO3*) = 1					
1047378	P-113B						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1					
1047378	P-113B						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type (*VOA HCL*) = 3					

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1047379	P-114						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1					
1047379	P-114						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type (*HNO3*) = 1					
1047379	P-114						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1					
1047379	P-114						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type (*VOA HCL*) = 3					

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1047380	P-115						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type (*UNPRES PL*) = 1					
1047380	P-115						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type (*HNO3*) = 1					
1047380	P-115						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1					
1047380	P-115						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC

		Total # of Containers of Type	(***VOA HCL***) = **3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047381	P-116					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047381	P-116					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1047381	P-116					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1047381	P-116					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047382	P-117					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047382	P-117					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1047382	P-117					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1047382	P-117					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047383	P-118					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1047383	P-118					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1047383	P-118					
		H2SO4 PL	1	Y /	N	NO23

		Total # of Containers of Type	(***H2SO4 PL***) =	**1**		
1047383	P-118					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**		
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047384	MW-3A					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) =	**1**		
1047384	MW-3A					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) =	**1**		
1047384	MW-3A					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) =	**1**		
1047384	MW-3A					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**		
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047385	P-107D					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) =	**1**		
1047385	P-107D					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) =	**1**		
1047385	P-107D					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) =	**1**		
1047385	P-107D					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) =	**3**		
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1047386	P-113A					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) =	**1**		

1047386	P-113A						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1047386	P-113A						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1047386	P-113A						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1047387	DUP-1						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1047387	DUP-1						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1047387	DUP-1						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1047387	DUP-1						
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		VOA HCL	1		/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**				

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?			Tests
1047388	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: Andy Stehn
Telephone: 608-807-8112
Project Name: FF/NN Ripon LF
Project #: 421748
Location: Ripon, WI
Sampled By: Aaron Sobbe

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

Folder #: 164407
Company: TRC ENVIRONMENTAL
Project: RIPON SUPERFUND LF
Logged By: erc PM: BMS

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL: ~~Sa~~ astehn@trcCompanies.com
Company: TRC
Address: 708 Heartland Tr., STE 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
Filter MW-103 and MW-112 in lab

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

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOCs 8260C	Sulfate	Nitrate + nitrite	dissolved Mn	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test						
9-8-21	1010	GW	G		MW-103	N	3	1	1	1			Filter in lab 10472
9-8-21	1100				MW-112	N	3	1	1	1			Filter in lab 73
9-8-21	835				P-103	Y	3	1	1	1			74
9-8-21	1310				MW-3B	Y	3	1	1	1			75
9-8-21	940				P-103D	Y	3	1	1	1			76
9-8-21	1310				P-111D	Y	3	1	1	1			77
9-9-21	915				P-113B	Y	3	1	1	1			78
9-9-21	1020				P-114	Y	3	1	1	1			79
9-9-21	1220				P-115	Y	3	1	1	1			80
9-9-21	1125				P-116	Y	3	1	1	1			81
9-8-21	1730				P-117	Y	3	1	1	1			82
9-8-21	1630				P-118	Y	3	1	1	1			83

Relinquished By:	Date/Time	Received By:	Date/Time
	9-9-21 1700	erc	9/10/21 1053
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		[illegible]	9/10/21 1153

Lab Use Only
Ice Present (Yes) No
Obs. Temp 1.0 IR Gun 27
Act. Temp 1.0 Cooler 0636

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

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

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

Lab Use Only
Place Header Sticker Here:

164407

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL:
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

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

Client Special Instructions

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

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOCs 8260 C	Sulfate	nitrate + nitrite	dissolved Mn	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test						
9-8-21	1220	GW	G		MW-3A	Y	3	1	1	1			1047384
9-8-21	1530	GW	G		P-107D	Y	3	1	1	1			85
9-9-21	830	GW	G		P-113A	Y	3	1	1	1			86
9-9-21	–	GW	G		Dup. 1	Y	3	1	1	1			87
9-9-21	–				Trip Blank	Y							88

Relinquished By:	Date/Time	Received By:	Date/Time
	9-9-21 1700		9/10/21 1053
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			9/10/21 1153

Lab Use Only
Ice Present Yes No
Obs. Temp 1.0 IR Gun 27
Act. Temp 1.6 Cooler 665

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 1.0

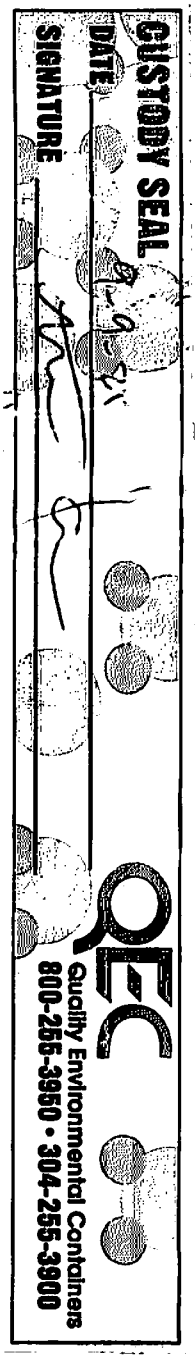
Actual Temperature 1-0

IR Gun # 27

Initials EMC

Date 9/10/21 Time 1053

Cooler #: 6636



Szymanski, Brett M

From: Stehn, Andrew <AStehn@trccompanies.com>
Sent: 09/10/2021 17:52
To: Szymanski, Brett M
Cc: Sobbe, Aaron
Subject: Re: [EXTERNAL] Ripon FF/NN Landfill - Lab Filtration

Brett since it's only two wells can you run total from the preserved and then also filter a small portion from the sulfate sample to get dissolved? Thanks and let me know if this an issue.

Thanks
Andy
Get Outlook for iOS

From: Szymanski, Brett M <BSzymanski@ctlaboratories.com>
Sent: Friday, September 10, 2021 11:36:37 AM
To: Stehn, Andrew <AStehn@trccompanies.com>
Cc: Sobbe, Aaron <ASobbe@trccompanies.com>
Subject: [EXTERNAL] Ripon FF/NN Landfill - Lab Filtration

Hello Andy,

We received the 3rd quarter Ripon FF/NN Landfill samples today. The COC indicates that samples MW-103 and MW-112 should be lab filtered for the dissolved Manganese analysis; however, these samples were already collected in nitric-preserved bottles. Filtration must be performed prior to preservation.

Do you want us to analyze these samples "as is" and report the Manganese results as "total" instead of "dissolved"? Otherwise, we can split the unpreserved sample bottle that we received for Sulfate analysis, filter a small portion, and then preserve with nitric acid to pH < 2 for the dissolved Manganese analysis.

Please let me know how you would like us to proceed.

Thanks,

Brett Szymanski
Project Manager
CT Laboratories, LLC
1230 Lange Court
Baraboo, WI 53913
Phone: 608-356-2760
Fax: 608-356-2766
www.ctlaboratories.com

Note: CT Laboratories has recently updated its Laboratory Information Management System (LIMS). The software has undergone a rigorous testing and validation process to ensure that these changes are largely transparent to our

clients. In the event that an error is observed, please call this error to the attention of your project manager immediately so that it may be corrected as soon as possible. Thank you for your understanding and cooperation in this matter.

Let us know how we're doing. Click Here to take our Customer Survey.