Quarterly Progress Report

First Quarter 2021 Reporting Period

July 2021

FF/NN Landfill NPL Site
Ripon, Wisconsin

Prepared For:

FF/NN Landfill PRP Group
c/o Cooper Industries, LLC
1000 Eaton Boulevard
Cleveland, Ohio 44122

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

Prepared by:
Aaron Sobbe, EIT
Staff Engineer

Reviewed and Approved by:
Alia E. Enright, P.E.
Project Engineer

Reviewed and Approved by:
Andrew M. Stehn, P.E.
Project Manager

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 First Quarter (Q1) of 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 tasks were performed, changes in routine tasks, and exceptions to the GMP made in Q1 2021.

2.1 Quarterly Changes

No changes nor exceptions were made in Q1 2021 to routine tasks, monitoring, site activities, or to the GMP.

2.2 Dates of Importance

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

- January 27, 2021, Second Quarter 2020 Quarterly Progress Report submitted to WDNR (TRC, 2021a)
- February 3, 2021, Third Quarter 2020 Quarterly Progress Report submitted to WDNR (TRC 2021b).
- March 3, 2021, Fourth Quarter 2020 Quarterly Progress and MNA Analysis Report submitted to WDNR (TRC, 2021c).
- March 24-25, 2021, First Quarter 2021 groundwater sampling event in accordance with the GMP (WDNR, 2013, 2017).
- April 2, 2021, GEMS transmittal, Fourth Quarter 2020 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 12 monitoring wells associated with the Site on March 24, 2021. Field forms from the Q1 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 Q1 are included in Table 1.

3.1.1 Layer 4 Groundwater Elevations

The estimated groundwater flow direction in Layer 4 based on data collected in Q1 2021 is to the southeast 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 is toward the southeast. Conversations with Mr. Chris Liveris, Utility Manager for the City of Ripon, confirmed that Well #9 was in operation during the Q1 2021 sampling event. The southeasterly flow direction observed in Layer 4 during Q1 2021 is indicative of flow conditions when Well #9 is operational.

3.2 Groundwater Quality Monitoring

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

3.2.1 First Quarter 2021

Groundwater samples were collected by TRC using low-flow sampling methods from 12 monitoring wells on March 24 and 25, 2021. Groundwater samples were analyzed by CT Laboratories for volatile organic compounds (VOCs) (EPA Method 8260C), nitrate + nitrite as nitrogen (EPA 353.2), sulfate (EPA 9056A), and manganese (EPA 6010C). Field parameters were measured at all monitoring wells including dissolved oxygen (DO), oxygen-reduction potential (ORP), temperature, pH, and specific conductance. Field parameters were measured during sampling using an In-Situ Smart Troll MP meter and flow-through cell. Field forms are included in Appendix A and the laboratory analytical report is included in Appendix B. Groundwater results exceeding Wisconsin Administrative Code (WAC) Chapter NR 140 Enforcement Standards (ES) and Preventive Action Limits (PAL) are included in Table 2. A summary of results for all detected parameters is provided in Table 3.

3.2.1.1 Volatile Organic Compound Parameters

Chlorinated VOCs (CVOCs) are the contaminants of concern (COC) at the Site, including trichloroethene (TCE) and its dechlorination products; cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC). In the 12 wells sampled during the Q1 2021, VC was the only COC detected at concentrations above the ES and PAL. The following summarizes the distribution of VOCs detected in each hydrostratigraphic unit:

- Wells in Layer 1 and Layer 2 were not sampled during Q1 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 and the PAL in samples collected from wells MW-3B and P-118. The extent of VC is unchanged from previous data and interpretations noted during Q4 2020 (TRC, 2021c).
- Three monitoring wells were sampled in Layer 4. VC exceeded the ES in the sample collected from P-107D. This detection is within the historical range of concentrations detected in samples from this well.

- Other VOC detections were at concentrations below their respective PALs and are summarized in Table 3.
- Trip blanks and method blanks were analyzed during the Q1 2021 sampling event and results indicated:
  - Methylene chloride was detected in the trip blank, however this parameter was not detected in any of the samples.

3.3 Landfill Gas Extraction System Operations

Landfill gas is extracted from gas vents GV-4 and GV-6 and the three leachate collection wells (LC-1, LC-2, and LC-3). The other gas vents have remained closed to prevent oxygen levels from increasing above 5% by volume. This subsection includes a discussion of system repairs and an evaluation of landfill gas monitoring results at the Site during Q1 2021. Table 4 summarizes the results of landfill gas monitoring during this reporting period.

3.3.1 Landfill Gas Extraction System Troubleshooting and Repairs

3.3.1.1 System Repairs

During Q1 2021 the GES was shut down for 5 minutes on January 29, 2021 to restart the Proview Controller. The Proview Controller provides remote communication via cellular modem for remote monitoring of equipment operations. This shutdown was completed to reset the modem to restore remote access. No other shutdowns or system repairs were required in Q1 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 the City of Ripon personnel were onsite on a biweekly basis while the system was operating between January 7, and March 17, 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 and/or the City of Ripon adjusted valve positioning on the extraction well headers to optimize the landfill gas extraction system, as needed. Repositioning was based on measured methane and oxygen concentrations and vacuum readings recorded during the monitoring events. A summary of the monitoring data from each visit are included in Table 4.

3.3.2.2 Gas Probe Monitoring

TRC personnel were onsite on February 18, 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 visits. Overall,

during Q1 2021, offsite methane migration was not observed. Based on the results of the gas probe monitoring during Q1 2021, current system operations are controlling offsite methane migration.

4.0 References

TRC. 2021a. Quarterly Progress Report, Second Quarter 2020 Reporting Period, FF/NN Landfill NPL Site, Ripon, Wisconsin. January 27, 2021.

TRC. 2021b. Quarterly Progress Report, Third Quarter 2020 Reporting Period, FF/NN Landfill NPL Site, Ripon, Wisconsin. February 3, 2021.

TRC. 2021c. Quarterly Progress and MNA Analysis Report, Fourth Quarter 2020 Reporting Period and MNA Analysis, FF/NN Landfill NPL Site, Ripon, Wisconsin. March 3, 2021.

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

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

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

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q1 Depth to Water (Feet)	Q1 GW Elevation (Feet AMSL)
			3/24/2021	3/24/2021
P-103D	3	872.91	50.36	822.55
P-107D	4	871.90	52.25	819.65
P-111D	3	855.56	35.14	820.42
P-113A	4	833.16	13.95	819.21
P-113B	3	833.16	13.80	819.36
P-114	3	839.36	19.80	819.56
P-115 (WIESE)	3	842.67	23.05	819.62
P-116 (HADEL)	3	845.86	26.81	819.05
P-117	3	833.96	15.57	818.39
P-118	3	826.74	8.42	818.32
MW-003A	4	850.60	31.39	819.21
MW-003B	3	850.89	30.08	820.81

Notes:
GW = Groundwater
TOC = Top of Casing
AMSL = Above Mean Sea Level
NM = Well not measured

Created by: P. Popp, 4/15/2021
Checked by: A. Sobbe 4/26/2021

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

Chemical Parameter	Units	NR140 PAL	NR140 ES	Well ID	Date	Result	Data Flags	Exceedance
Manganese, dissolved	µg/L	25	50	MW-003A	3/25/2021	**445**		ES
				MW-003B	3/25/2021	**88.7**		ES
				P-103D	3/25/2021	**88.8**		ES
				P-107D	3/25/2021	**209**		ES
				P-111D	3/25/2021	*30.9*		PAL
				P-113A	3/25/2021	*30.2*		PAL
				P-113B	3/25/2021	*38.3*		PAL
				P-114	3/24/2021	**64.1**		ES
				P-114 DUP	3/24/2021	**63.3**		ES
				P-115 (WIESE)	3/24/2021	**115**		ES
				P-116 (HADEL)	3/24/2021	**84.1**		ES
				P-117	3/25/2021	**217**		ES
				P-118	3/25/2021	*49.5*		PAL
Vinyl chloride	µg/L	0.02	0.2	MW-003B	3/25/2021	*0.042*	J	PAL
				P-103D	3/25/2021	**0.23**		ES
				P-107D	3/25/2021	**4.3**		ES
				P-111D	3/25/2021	**3.2**		ES
				P-114	3/24/2021	**7.4**		ES
				P-114 DUP	3/24/2021	**7.4**		ES
				P-115 (WIESE)	3/24/2021	**0.52**		ES
				P-117	3/25/2021	**1.0**		ES
				P-118	3/25/2021	*0.086*	J	PAL

Notes:

Created by: P. Popp, 4/15/2021

Checked by: A. Sobbe 4/26/2021

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

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

Parameter	Units	NR 140 ES	NR 140 PAL	MW-003A 3/25/2021 546016	MW-003B 3/25/2021 546017	P-103D 3/25/2021 546005	P-107D 3/25/2021 546007	P-111D 3/25/2021 546008	P-113A 3/25/2021 546009	P-113B 3/25/2021 546010
Field Parameters										
pH, field	SU			7.15	7.23	7.13	7.08	7.26	7.20	7.34
Conductance, specific	µmhos/cm			583	732	813	610	899	580	703
ORP	mV			-182.0	-225.3	-146.1	-95.4	-137.5	-133.5	-160.2
Oxygen, dissolved	mg/L			0.60	0.60	0.85	1.57	0.71	0.82	0.58
Turbidity, field	NTU			0.50	0.60	0.66	0.73	0.70	0.67	0.83
Temperature	Deg C			7.5	7.3	7.9	7.9	7.7	7.4	8.1
Turbidity, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE
Color, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE
Odor, field				NONE	NONE	NONE	NONE	NONE	NONE	NONE
Inorganic Analytes										
Sulfate, total	mg/L	250	125	21	67	69	29	55	12	74
Manganese, dissolved	µg/L	50	25	**445**	**88.7**	**88.8**	**209**	*30.9*	*30.2*	*38.3*
Organic Analytes										
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	0.023 J	< 0.017	< 0.017	< 0.017
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	0.019 J	< 0.011	< 0.011	< 0.011
Benzene	µg/L	5	0.5	< 0.022	< 0.022	0.028 J	< 0.022	< 0.022	< 0.022	< 0.022
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.4	1.9	0.93 J	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	0.032 J	0.3	2	3	< 0.023	< 0.023
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Methyl-tert-butyl-ether	µg/L	60	12	< 0.014	< 0.014	< 0.014	< 0.014	0.024 J	< 0.014	< 0.014
Tetrahydrofuran	µg/L	50	10	< 0.38	< 0.38	< 0.38	0.84 J	0.57 J	< 0.38	< 0.38
Toluene	µg/L	800	160	< 0.014	< 0.014	< 0.014	0.014 J	< 0.014	< 0.014	< 0.014
trans-1,2-dichloroethene	µg/L	100	20	< 0.02	< 0.02	< 0.02	< 0.02	0.05 J	< 0.02	< 0.02
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	0.076 J	0.15	< 0.022	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	*0.042 J*	**0.23**	**4.3**	**3.2**	< 0.019	< 0.019

Notes:

1. µg/l = micrograms per liter (ppb).
2. SU = Standard Units
3. µmhos/cm = microSiemens per centimeter
4. Deg C = Degrees Celsius
5. mV = millivolts
6. mg/L = milligrams per liter (ppm).
7. Monitoring wells were sampled and analyzed for VOCs (EPA 8260C), sulfate (EPA 9056A), nitrate+nitrite (EPA 353.2), and dissolved Mn (EPA 6010C). Only analytes detected in one or more samples are shown.
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** = Exceedance (or potential exceedance if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedance (or potential exceedance if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated, between the Limit of Detection (LOD) and the Limit Of Quantitation (LOQ)
14. Standards for trimethylbenzenes are for 1,2,4- and 1,3,5- combined.

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

Parameter	Units	NR 140 ES	NR 140 PAL	P-114 3/24/2021 546011	P-114 DUP 3/24/2021 546018	P-115 (WIESE) 3/24/2021 546012	P-116 (HADEL) 3/24/2021 546013	P-117 3/25/2021 546014	P-118 3/25/2021 546015	TRIP BLANK 3/25/2021 546037
Field Parameters										
pH, field	SU			7.04		7.30	7.34	7.18	7.31	
Conductance, specific	µmhos/cm			821		651	553	800	623	
ORP	mV			-154.8		-153.2	-65.9	-178.6	-175.7	
Oxygen, dissolved	mg/L			0.63		0.59	1.17	0.64	0.76	
Turbidity, field	NTU			11.76		5.44	95.15	0.59	0.61	
Temperature	Deg C			8.8		8.7	8.3	8.6	7.6	
Turbidity, field				NONE		NONE	MOD	NONE	NONE	
Color, field				NONE		NONE	PINK	NONE	NONE	
Odor, field				NONE		NONE	NONE	NONE	NONE	
Inorganic Analytes										
Sulfate, total	mg/L	250	125	62	61	35	13	59	25	
Manganese, dissolved	µg/L	50	25	**64.1**	**63.3**	**115**	**84.1**	**217**	*49.5*	
Organic Analytes										
1,1-Dichloroethane	µg/L	850	85	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
1,2,4-Trimethylbenzene	µg/L	480	96	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	0.029 J	< 0.022	< 0.022
Chloroethane	µg/L	400	80	0.47 J	< 0.4	< 0.4	< 0.4	0.41 J	< 0.4	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	1.8	1.8	0.2	< 0.023	0.75	< 0.023	< 0.023
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.34 J
Methyl-tert-butyl-ether	µg/L	60	12	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014
Tetrahydrofuran	µg/L	50	10	0.65 J	0.75 J	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Toluene	µg/L	800	160	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	0.02 J	< 0.014
trans-1,2-dichloroethene	µg/L	100	20	0.028 J	< 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	0.054 J	< 0.022	< 0.022
Vinyl chloride	µg/L	0.2	0.02	**7.4**	**7.4**	**0.52**	< 0.019	**1.0**	*0.086 J*	< 0.019

Notes:

Created by: P. Popp, 4/15/2021

Checked by: A. Sobbe 4/26/2021

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. Monitoring wells were sampled and analyzed for VOCs (EPA 8260C), sulfate (EPA 9056A), nitrate+nitrite (EPA 353.2), and dissolved Mn (EPA 6010C). Only analytes detected in one or more samples are shown.
8. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
9. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
10. **BOLD** = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC ES.
11. *Italics* = Exceedence (or potential exceedence if J-flagged) of the NR 140, WAC PAL.
12. ORP - Oxidation Reduction Potential
13. J = Reported concentration is estimated, between the Limit of Detection (LOD) and the Limit Of Quantitation (LOQ)
14. Standards for trimethylbenzenes are for 1,2,4- and 1,3,5- combined.

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

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
Background	13:14	1/7/2021	0.0	0.0	20.9	79.1	
	9:50	1/21/2021	0.0	0.0	20.9	79.1	
	13:19	2/2/2021	0.0	0.0	20.9	79.1	
	8:27	2/18/2021	0.0	0.0	20.8	79.2	
	13:39	2/22/2021	0.0	0.0	20.9	79.1	
	13:19	3/3/2021	0.0	0.0	20.9	79.1	
	13:41	3/17/2021	0.0	0.0	20.9	79.1	
LC-1	13:37	1/7/2021	27.0	26.8	0.9	45.3	
	10:11	1/21/2021	33.5	30.0	1.7	34.8	
	13:41	2/2/2021	27.0	24.8	2.2	46.0	
	8:59	2/18/2021	40.8	25.7	0.8	32.7	
	14:11	2/22/2021	33.0	26.6	0.8	39.6	
	13:40	3/3/2021	22.0	24.6	0.6	52.8	
	14:02	3/17/2021	16.0	21.6	0.6	61.8	
LC-2	13:46	1/7/2021	26.0	26.2	1.9	45.9	
	10:20	1/21/2021	26.5	26.4	2.4	44.7	
	13:50	2/2/2021	27.0	24.8	1.1	47.1	
	8:48	2/18/2021	31.5	23.7	0.8	44.0	
	14:21	2/22/2021	29.5	24.4	1.0	45.1	
	13:48	3/3/2021	33.0	24.0	2.6	40.4	
	14:11	3/17/2021	37.5	24.8	1.4	36.3	
LC-3	13:43	1/7/2021	19.0	21.8	4.0	55.2	
	10:17	1/21/2021	19.0	22.2	4.8	54.0	
	13:47	2/2/2021	18.5	21.0	4.0	56.5	
	8:56	2/18/2021	39.7	27.1	0.1	33.1	
	14:18	2/22/2021	23.5	22.2	3.6	50.7	
	13:46	3/3/2021	22.0	21.4	4.0	52.6	
	14:08	3/17/2021	21.5	21.2	4.0	53.3	
GV-4	13:34	1/7/2021	12.0	17.2	0.7	70.1	
	10:08	1/21/2021	5.5	8.2	10.7	75.6	
	13:39	2/2/2021	25.5	20.6	0.1	53.8	
	9:07	2/18/2021	17.8	16.6	0.1	65.5	
	12:11	2/18/2021	13.1	15.4	0.6	70.9	
	14:07	2/22/2021	7.0	13.6	4.9	74.5	
	13:37	3/3/2021	1.9	8.4	10.9	78.8	
	13:58	3/17/2021	4.4	8.8	9.4	77.5	
GV-6	13:40	1/7/2021	8.5	15.2	4.2	72.1	
	10:13	1/21/2021	17.5	20.0	1.5	61.0	
	13:43	2/2/2021	11.5	14.2	4.7	69.6	
	9:12	2/18/2021	16.7	16.5	0.1	66.7	
	11:49	2/18/2021	10.1	13.8	2.2	73.9	
	14:14	2/22/2021	11.0	13.2	4.8	71.0	
	13:41	3/3/2021	3.0	5.4	14.0	77.6	
	14:03	3/17/2021	6.5	9.4	9.1	75.0	
GP-1	13:15	1/7/2021	0.0	3.0	12.4	84.6	
	9:51	1/21/2021	0.0	2.8	11.2	86.0	
	10:52	1/21/2021	0.0	3.4	11.5	85.1	
	13:21	2/2/2021	0.0	2.2	13.2	84.6	
	14:21	2/2/2021	0.0	2.4	13.2	84.4	
	8:43	2/18/2021	0.0	2.9	12.8	84.3	
	10:03	2/18/2021	0.0	3.0	12.5	84.5	
	13:40	2/22/2021	0.0	3.0	11.8	85.2	
	14:40	2/22/2021	0.0	3.0	12.0	85.0	
	13:20	3/3/2021	0.0	3.0	11.1	85.9	
	14:20	3/3/2021	0.0	3.0	11.4	85.6	
	13:43	3/17/2021	0.0	2.0	15.2	82.8	
	14:43	3/17/2021	0.0	2.0	15.3	82.7	

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

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
GP-2	13:30	1/7/2021	0.0	4.8	13.1	82.1	
	10:04	1/21/2021	0.0	3.8	14.6	81.6	
	13:35	2/2/2021	0.0	4.8	12.0	83.2	
	11:17	2/18/2021	0.0	5.0	11.1	83.9	
	13:34	3/3/2021	0.0	0.0	20.9	79.1	
	13:55	3/17/2021	0.0	4.2	11.7	84.1	
GP-3	12:42	2/18/2021	0.0	4.8	14.2	81.0	
GP-4	12:51	2/18/2021	0.0	0.4	20.6	79.0	
GP-5	10:07	2/18/2021	0.0	2.8	18.1	79.1	
GP-6	13:10	2/18/2021	0.0	3.1	19.4	77.5	
GP-7	13:04	2/18/2021	0.0	5.2	17.4	77.4	
GP-10	11:04	2/18/2021	0.0	4.7	11.4	83.9	
GP-11	10:37	2/18/2021	0.0	3.3	16.6	80.1	
GP-12	10:21	2/18/2021	0.0	4.4	15.6	80.0	
Exhaust	13:22	1/7/2021	0.6	0.4	20.8	78.3	
	9:55	1/21/2021	1.75	1.4	19.3	77.6	
	13:25	2/2/2021	1.7	1.6	19.9	76.8	
	8:40	2/18/2021	0	0.1	20.8	79.1	
	13:25	3/3/2021	1.65	2	18.7	77.7	
MW-101	10:41	2/18/2021	0.0	4.0	15.1	80.9	
MW-102	10:02	2/18/2021	0.0	0.9	19.5	79.6	
MW-103	12:48	2/18/2021	0.0	10.4	3.1	86.5	
MW-104	9:21	2/18/2021	0.0	0.4	20.5	79.1	

Notes:

-- = Data not recorded

LEL = Lower Explosive Limit

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

N = Nitrogen

% = Percent

Ph = gas reading collected from the extraction header

Pw = gas reading collected from the extraction well

Updated By: A. Sobbe 4/27/2021

Updated/Checked by: A. Enright 4/27/2021

Updated/Checked by: A. Stehn 7/13/2021

Checked by: A. Enright 7/14/2021

LEGEND

- **MW-112** *(821.71)* — MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- TOPOGRAPHIC CONTOUR (CONTOUR INTERVAL 2')
- APPROXIMATE RIPON FF/NN LANDFILL
- TAX PARCEL

NOTES

1. BASE MAP IMAGERY FROM GOOGLE, (4/21/2017).
2. THE RIPON FF/NN LANDFILL EXTENTS SHOWN ARE BASED ON "SITE LAYOUT" FIGURE PROVIDED BY TETRA TECH, INC. DATED 9/20/18.
3. TAX PARCEL DATA ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE, 2020.

0 400 800 Feet

1 " = 400 '

1:4,800

PROJECT:
FF/NN LANDFILL NPL SITE
RIPON, WI
FIRST QUARTER 2021 REPORTING

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 1 LAYER 4 WELLS
MARCH 24, 2021

DRAWN BY:	A. ADAIR	PROJ. NO.:	421748
CHECKED BY:	A. SOBBE		
APPROVED BY:	S. SELLWOOD		**FIGURE 1**
DATE:	JULY 2021		

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

FILE NO.: 421748-2021-Q1-L4-GW-EL.mxd

Plot Date: 7/14/2021, 12:25:24 PM by RSUEMNICHT – LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\Ripon\421748-2021-Q1-L4-GW-EL.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS

Appendix A: Site Inspection Reports

TRC

PROJECT NAME:	Ripon FF/NN Landffill
PROJECT NUMBER:	421748.0000.0000 00001
PROJECT MANAGER:	A. Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	3-24-21 ; 3-25-21
PURPOSE OF FIELDWORK:	Q1 2021 Groundwater Sampling
WORK PERFORMED BY:	A. Sobbe

	7/14/21		7/14/21
SIGNED	DATE	CHECKED BY	DATE

TRC

GENERAL NOTES

PROJECT NAME: FF/NN Ripon Landfill	DATE: 3-24-21	TIME ARRIVED: 1220
PROJECT NUMBER: 421748	AUTHOR: A. Sobke	TIME LEFT: 1740

WEATHER		
TEMPERATURE: 51 °F	WIND: 10 MPH	VISIBILITY: moderate sprinkling

WORK / SAMPLING PERFORMED

Q1 2021 Groundwater Sampling

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS

Anne Sobke 7/14/21

SIGNED DATE

Alex Enright 7/14/21

CHECKED BY DATE

TRC

GENERAL NOTES

PROJECT NAME: FF/NN Ripon Landfill	DATE: 3-25-21	TIME ARRIVED: 700
PROJECT NUMBER: 421748	AUTHOR: AAJ	TIME LEFT: 1640

WEATHER

TEMPERATURE: 38 °F WIND: 5 MPH VISIBILITY: Cloudy

WORK / SAMPLING PERFORMED

Q1 2021 Groundwater Sampling

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS

[signature] 7/14/21 [signature] 7/14/21

SIGNED DATE CHECKED BY DATE

TRC

CALIBRATION LOG

PROJECT NAME: Ripon FF/NN Landfill	MODEL: YSI Pro DSS	SAMPLER: AS
PROJECT NO.: 421748.0000.0000.00001	SERIAL #: 16K100750	DATE: 3-24-21 ; 3-25-21

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 9GH321		PH 4 / 10 (LOT NUMBER): 0GH869		TIME	
7.02	/ 7.00	4.00	/ 4.00	907	3-24-21
6.94	/ 7.00	3.97	/ 4.00	1820	3-24-21
7.01	/ 7.00	4.03	/ 4.00	610	3-25-21
6.97	/ 7.00	3.99	/ 4.00	1940	3-25-21

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 0GH869		TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME	
4.491	/ 4.49 mS/cm	21.5		920	3-24-21
4.53	/ 4.49 mS/cm	20.3		1825	3-24-21
4.48	/ 4.49 mS/cm	21.4		620	3-25-21
4.51	/ 4.49 mS/cm	21.0		1950	3-25-21

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME	
99.9% DO @ 21.5°C	935	3-24-21
97.9% DO @ 20.3°C	1835	3-24-21
99.9% DO @ 21.4°C	630	3-25-21
98.3% DO @ 20.9°C	2000	3-25-21

ORP ~~TURBIDITY~~ CALIBRATION CHECK

CALIBRATION READING (LOT #): 19D100189		(LOT #):		TIME	
231	/ 231 mV		/	930	3-24-21
239	/ 231		/	1830	3-24-21
232	/ 231		/	625	3-25-21
243	/ 231		/	1955	3-25-21

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

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

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

Tom Sellers — 7/14/21
SIGNED — DATE

Alex Enright — 7/14/21
CHECKED BY — DATE

TRC

WATER LEVEL DATA

3-24-21

PROJECT NAME: Ripon FF/NN Landfill				DATE: / /~~20~~	
PROJECT NUMBER 421748				AUTHOR: ~~J. Roelke~~ A. Jobbe	
WELL LOCATION	**TIME**	**REFERENCE**	**DEPTH TO WATER (FEET)**	**DEPTH TO BOTTOM (FEET)**	**WATER ELEVATION**
MW-101		884.73		64.50	
P-101		885.39		96.49	
MW-102		842.9		24.00	
P-102		842.85		61.15	
MW-103		872.30		53.69	
P-103		872.74		83.02	
P-103D	1348	872.91	50.36	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	1235	871.9	52.25	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	1247	855.56	35.14	148.46	
MW-112		874.7		60.47	
P-113A	1328	833.16	13.95	325.31	
P-113B	1332	833.16	13.80	198.9	
P-114	1403	839.36	19.80	181.72	
P-115	1340	842.67	23.05	179.57	
P-116	1357	845.86	26.81	163.19	
P-117	1310	833.96	15.57	165.54	
P-118	1315	826.74	8.42	167.44	
MW-3A	1255	850.60	31.39	280.10	
MW-3B	1301	850.89	30.08	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)

7/14/21 — SIGNED — DATE:

Alex Enright 7/14/21 — CHECKED — DATE:

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1315	DATE: 3-25-21	SAMPLE	TIME: 1355	DATE: 3-25-21

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

DEPTH TO WATER: 31.45 T/ PVC

DEPTH TO BOTTOM: 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

PH: 7.15 SU CONDUCTIVITY: 583 umhos/cm

ORP: -182.0 mv DO: 0.60 mg/L

TURBIDITY: NA 0.50 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 7.5 °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)
1315								31.45	INITIAL
1320	200	7.30	580	-238.6	1.23	0.53	7.5	32.02	1L
1325	200	7.22	583	-236.5	0.82	0.48	7.5	32.05	2L
1330	200	7.19	583	-226.5	0.69	0.52	7.5	32.05	3L
1335	200	7.17	584	-205.5	0.62	0.50	7.6	32.05	4L
1340	200	7.16	583	-196.8	0.61	0.50	7.6	32.05	5L
1345	200	7.15	583	-188.3	0.60	0.51	7.6	32.06	6L
1350	200	7.14	583	-185.3	0.60	0.54	7.6	32.06	7L
1355	200	7.15	583	-182.0	0.60	0.50	7.5	32.06	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1210	DATE: 3-25-21	SAMPLE	TIME: 1250	DATE: 3-25-21

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

DEPTH TO WATER: 30.13 T/ PVC

DEPTH TO BOTTOM: T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 8 ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: Strong Sulfur

TURBIDITY: NA ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.23 SU CONDUCTIVITY: 732 umhos/cm

ORP: -225.3 mv DO: 0.60 mg/L

TURBIDITY: NA 0.60 NTU ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 7.3 °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)
1210									INITIAL
1215	200	8.63	525	-261.3	2.88	0.99	7.2	30.13	1L
1220	200	8.41	526	-306.6	1.07	0.78	7.3	30.15	2L
1225	200	7.39	683	-275.6	0.77	0.55	7.3	30.15	3L
1230	200	7.23	733	-248.7	0.65	0.58	7.3	30.15	4L
1235	200	7.20	735	-241.5	0.63	0.60	7.3	30.15	5L
1240	200	7.20	735	-234.9	0.61	0.58	7.3	30.15	6L
1245	200	7.21	734	-229.0	0.60	0.58	7.3	30.15	7L
1250	200	7.23	732	-225.3	0.60	0.60	7.3	30.15	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

SAMPLE ID: P-1030 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 720	DATE: 3-25-21	SAMPLE	TIME: 750	DATE: 3-25-21
PURGE METHOD:	☑ PUMP	BLADDER PUMP (QED)	PH: 7.13 SU	CONDUCTIVITY: 813	umhos/cm
	☐ BAILER	BAILER (DISPOSABLE)	ORP: -146.1 mv	DO: 0.85	mg/L
DEPTH TO WATER: 50.65	T/ PVC		TURBIDITY: ~~NA~~ 0.66 NTU		
DEPTH TO BOTTOM:	T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	☐ LITERS ☐ GALLONS		TEMPERATURE: 7.9 °C	OTHER:	
VOLUME REMOVED: 6	☒ LITERS ☐ GALLONS		COLOR: Clear	ODOR: none	
COLOR: Clear	ODOR: none		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: NA			FILTRATE COLOR: Clear	FILTRATE ODOR: none	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			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)
720	200	7.47	775	17.6	8.90	3.23	7.5	50.65	INITIAL
725	200	7.12	802	-141.9	3.41	3.77	7.9	50.65	1L
730	200	7.15	810	-139.9	1.53	1.18	7.9	50.65	2L
735	200	7.16	812	-146.3	1.03	0.66	7.9	50.63	3L
740	200	7.15	812	-146.7	0.94	0.69	7.9	50.63	4L
745	200	7.13	813	-146.4	0.88	0.67	7.9	50.62	5L
750	200	7.13	813	-146.1	0.85	0.66	7.9	50.64	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

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: 815	DATE: 3-25-21	SAMPLE	TIME: 840	DATE: 3-25-21

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

DEPTH TO WATER: 52.50 T/ PVC

DEPTH TO BOTTOM: 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

PH: 7.08 SU CONDUCTIVITY: 610 umhos/cm

ORP: -95.4 mv DO: 1.57 mg/L

TURBIDITY: NA 0.73 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 7.9 °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)
815	200	7.08	643	-72.8	2.56	0.75	7.8	52.50	INITIAL
820	206	7.08	641	-77.7	2.39	0.80	7.8	52.52	1L
825	200	7.11	621	-96.8	1.83	0.74	7.9	52.52	2L
830	200	7.10	605	-94.4	1.74	0.74	7.9	52.53	3L
835	200	7.10	603	-93.8	1.60	0.74	7.9	52.53	4L
840	200	7.08	610	-95.4	1.57	0.73	7.9	52.55	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME:	Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER:	421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

SAMPLE ID: P-1110 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 905	DATE: 3-25-21	SAMPLE	TIME: 940	DATE: 3-25-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED)		PH: 7.26 SU	CONDUCTIVITY: 899 umhos/cm	
	☐ BAILER BAILER (DISPOSABLE)		ORP: -137.5 mv	DO: 0.71 mg/L	
DEPTH TO WATER: 35.31 T/ PVC			TURBIDITY: ~~NA~~ 0.70 NTU		
DEPTH TO BOTTOM: T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☐ LITERS ☐ GALLONS			TEMPERATURE: 7.7 °C	OTHER:	
VOLUME REMOVED: 7 ☒ LITERS ☐ GALLONS			COLOR: clear	ODOR: none	
COLOR: clear ODOR: none			FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: NA			FILTRATE COLOR: clear	FILTRATE ODOR: none	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			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)
905	200	7.27	891	-172.8	3.00	1.26	7.4	35.31	INITIAL
910	200	7.24	902	-165.9	1.94	1.39	7.5	35.44	1L
915	200	7.23	902	-148.2	1.29	0.89	7.6	35.45	2L
920	200	7.26	899	-138.7	1.04	0.74	7.7	35.44	3L
925	200	7.27	898	-136.1	0.86	0.74	7.7	35.45	4L
930	200	7.27	899	-136.1	0.79	0.72	7.7	35.45	5L
935	200	7.26	899	-136.6	0.75	0.70	7.7	35.46	6L
940	200	7.26	899	-137.5	0.71	0.70	7.7	35.46	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3.25.21	BY: AEE	DATE: 7/14/21

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: 1020	DATE: 3-25-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER: 14.32	T/ PVC	
DEPTH TO BOTTOM:	T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED: 3.5	☒ LITERS ☐ GALLONS	
COLOR: Clear	ODOR: none	
TURBIDITY: NA		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1050	DATE: 3-25-21
PH: 7.20 SU	CONDUCTIVITY: 580 umhos/cm	
ORP: -133.5 mv	DO: 0.82 mg/L	
TURBIDITY: NA 0.67 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 7.4 °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)
1020	200	7.66	566	-95.2	3.83	1.07	7.5	14.32	INITIAL
1025	200	7.51	574	-112.7	2.37	0.78	7.9	15.46	1L
1030	100	7.40	582	-134.9	1.28	0.74	7.40	15.06	1.5L
1035	100	7.30	579	-138.7	0.98	0.78	7.4	15.01	2L
1040	100	7.25	580	-138.8	0.89	0.80	7.3	15.00	2.5L
1045	100	7.21	581	-134.3	0.86	0.75	7.4	15.00	3L
1050	100	7.20	580	-133.5	0.82	0.67	7.4	15.00	3.5L

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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME:	Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER:	~~P-113B~~ 421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

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: 1105	DATE: 3-25-21

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

DEPTH TO WATER: 13.88 T/ PVC

DEPTH TO BOTTOM: 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: 1135	DATE: 3-25-21

PH: 7.34 SU CONDUCTIVITY: 703 umhos/cm

ORP: -160.2 mv DO: 0.58 mg/L

TURBIDITY: ~~NA~~ 0.83 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 8.1 °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)
1105	200	7.58	699	-130.3	7.55	2.10	7.5	13.88	INITIAL
1110	200	7.50	698	-137.9	1.96	2.45	7.8	13.92	1L
1115	200	7.38	701	-161.2	0.93	0.99	7.9	13.95	2L
1120	200	7.34	702	-160.6	0.72	0.85	8.0	13.95	3L
1125	200	7.34	703	-160.5	0.66	0.77	8.1	13.95	4L
1130	200	7.34	703	-160.5	0.61	0.82	8.1	13.95	5L
1135	200	7.34	703	-160.2	0.58	0.83	8.1	13.95	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~~	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME:	Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER:	421749.0000.0000.0001	BY: AAS	DATE: 3.24.21	BY: AEE	DATE: 7/14/21

SAMPLE ID: P-1164 — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1415	DATE: 3.24.21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	19.80 T/ PVC	
DEPTH TO BOTTOM:	T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	3 ☒ LITERS ☐ GALLONS	
COLOR:	Clear	ODOR: none
TURBIDITY:	NA	
	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1445	DATE: 3-24-21
PH:	7.04 SU	CONDUCTIVITY: 821 umhos/cm
ORP:	-154.8 mv	DO: 0.63 mg/L
TURBIDITY:	NA 11.72 NTU	
	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
TEMPERATURE:	8.8 °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)
1415	100	6.96	813	-100.9	1.48	2.33	8.5	19.80	INITIAL
1420	100	6.99	813	-148.2	0.98	2.19	8.6	19.89	.5L
1425	100	6.79	816	-166.4	0.77	2.52	8.5	19.88	1L
1430	100	7.10	822	-163.6	0.72	3.21	8.6	19.87	1.5L
1435	100	7.09	822	-161.0	0.69	6.71	8.8	19.87	2L
1440	100	7.05	822	-156.2	0.65	11.22	8.7	19.96	2.5L
1445	100	7.04	821	-154.8	0.63	11.72	8.8	19.96	3L

XSZ turn off →

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD:	Fed Ex	DATE SHIPPED:		AIRBILL NUMBER:	
COC NUMBER:		SIGNATURE:		DATE SIGNED:	7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3.24.21	BY: AEE	DATE: 7/14/21

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: 1655	DATE: 3-24-21	SAMPLE	TIME: 1720	DATE: 3.24.21

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

DEPTH TO WATER: 23.05 T/ PVC

DEPTH TO BOTTOM: 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

PH: 7.30 SU CONDUCTIVITY: 651 umhos/cm

ORP: -153.2 mv DO: 0.59 mg/L

TURBIDITY: ~~NA~~ 5.44 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 8.7 °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)
1655	200	7.55	652	-159.5	1.12	7.52	8.7	23.05	INITIAL
1700	200	7.37	656	-153.9	0.81	8.60	8.7	23.31	1L
1705	200	7.32	653	-151.7	0.68	4.91	8.7	23.35	2L
1710	200	7.29	651	-151.7	0.63	4.64	8.7	23.31	3L
1715	200	7.29	651	-152.5	0.60	5.53	8.7	23.29	4L
1720	200	7.30	651	-153.2	0.59	5.44	8.7	23.31	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3-24-21	BY: AEE	DATE: 7/14/21

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: 1535	DATE: 3-24-21	SAMPLE	TIME: 1615	DATE: 3-24-21
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)			PH: 7.34 SU	CONDUCTIVITY: 553 umhos/cm	
			ORP: -65.9 mv	DO: 1.17 mg/L	
DEPTH TO WATER: 26.81 T/ PVC			TURBIDITY: NA 95.15 NTU		
DEPTH TO BOTTOM: T/ PVC			☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		
WELL VOLUME: ☐ LITERS ☐ GALLONS			TEMPERATURE: 8.3 °C	OTHER:	
VOLUME REMOVED: 2.4 ☒ LITERS ☐ GALLONS			COLOR: pink	ODOR: none	
COLOR: Clear ODOR: none			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: NA			FILTRATE COLOR: Clear	FILTRATE ODOR: none	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-1		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			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)
1535	60	7.77	564	40.2	16.66	35.22	6.6	26.81	INITIAL
1540	60	7.46	551	40.4	5.93	57.66	7.7	27.10	.3L
1545	60	7.41	552	32.8	3.32	62.13	8.0	27.12	.6L
1550	60	7.35	553	5.5	1.40	55.55	8.3	27.00	.9L
1555	60	7.33	553	-14.9	1.20	136.70	8.2	27.11	1.2L
1600	60	7.33	553	-50.4	1.19	140.11	8.2	27.10	1.5L
1605	60	7.33	552	-59.8	1.28	80.67	8.3	27.10	1.8L
1610	60	7.33	553	-63.3	1.22	97.70	8.3	27.10	2.1L
1615	60	7.34	553	-65.9	1.17	95.15	8.3	27.10	2.4L

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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3.25.21	BY: AEE	DATE: 7/14/21

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: 1430	DATE: 3-25-21
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER BAILER (DISPOSABLE)		
DEPTH TO WATER: 15.66 T/ PVC		
DEPTH TO BOTTOM: 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: 1505	DATE: 3-25-21
PH: 7.18 SU	CONDUCTIVITY: 800 umhos/cm	
ORP: -178.6 mv	DO: 0.64 mg/L	
TURBIDITY: NA 0.59 NTU ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 8.6 °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
1435	200	7.45	787	-111.1	4.97	2.51	8.5	15.71	1L
1440	200	7.32	796	-188.3	1.82	1.94	8.6	15.75	2L
1445	200	7.22	800	-189.4	0.89	0.77	8.6	15.75	3L
1450	200	7.21	800	-185.4	0.76	0.60	8.6	15.75	4L
1455	200	7.20	800	-182.6	0.69	0.57	8.6	15.75	5L
1500	200	7.19	800	-180.7	0.66	0.57	8.6	15.75	6L
1505	200	7.18	800	-178.6	0.64	0.59	8.6	15.75	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	250mL	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: 7/14/21

TRC

WATER SAMPLE LOG

PROJECT NAME: Ripon FF/NN Landfill	PREPARED		CHECKED	
PROJECT NUMBER: 421748	BY: AAS	DATE: 3-25-21	BY: AEE	DATE: 7/14/21

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: 1530	DATE: 3-25-21
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) / ☐ BAILER BAILER (DISPOSABLE)	
DEPTH TO WATER:	8.50 T/ PVC	
DEPTH TO BOTTOM:	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: 1600	DATE: 3-25-21
PH: 7.31 SU	CONDUCTIVITY: 623 umhos/cm	
ORP: -175.7 mv	DO: 0.76 mg/L	
TURBIDITY: NA 0.61 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 7.6 °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)
1530	200	7.42	618	-167.3	3.14	1.41	7.3	8.50	INITIAL
1535	200	7.36	619	-198.6	1.40	1.06	7.5	8.52	1L
1540	200	7.27	622	-187.5	1.02	1.14	7.5	8.50	2L
1545	200	7.28	623	-178.9	0.87	0.73	7.6	8.51	3L
1550	200	7.29	622	-177.1	0.82	0.62	7.6	8.51	4L
1555	200	7.30	623	-176.3	0.79	0.61	7.6	8.51	5L
1600	200	7.31	623	-175.7	0.76	0.61	7.6	8.51	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: [signature]	DATE SIGNED: 7/14/21

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 #: 160648):
All holding times, field qc, and lab qc met criteria, except as specified below.
MS/MSD/LCS
Bromomethane: RPD above control limits; detections considered estimated and detections qualified with "j"
BLANKS
Sample detections <5x blank value were flagged as nondetect ('u') at the reported limit.
Analytes in trip blanks: methylene chloride (0.34, x5=1.7)
Data has been reviewed per TRC data usability guidelines and is usable with the above notations.
P Popp, 4/14/2021

P	Q	R
P-114	**%RPD**	
SULFATE, TOTAL	2	
MANGANESE, DISSOLVED	1	
CIS-1,2-DICHLOROETHENE	0	
TETRAHYDROFURAN	14	Both values J
VINYL CHLORIDE	0	

CT LABORATORIES
delivering more than data from your environmental analyses

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

ANALYTICAL REPORT

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

Copy:

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI
Project #: 421748
Folder #: 160648
Purchase Order #: 164500
Contract #: 3276

Arrival Temperature: 2.0
Report Date: 04/08/2021
Date Received: 03/26/2021
Reprint Date: 04/08/2021

CT LAB#: 546005 Sample Description: P-103D License/Well #: 00467/141 Sampled: 03/25/2021 0750

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			03/31/2021 14:46	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:42	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	88.8	ug/L	1.4	5.0	1			03/30/2021 16:32	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 19:46	RLD	EPA 8260C

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

CT LAB#: 546005 Sample Description: P-103D License/Well #: 00467/141 Sampled: 03/25/2021 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 19:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			04/04/2021 19:46	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 19:46	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 19:46	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 19:46	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 19:46	RLD	EPA 8260C
Benzene	0.028	ug/L	0.022 *	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 19:46	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 19:46	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/04/2021 19:46	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 19:46	RLD	EPA 8260C

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

CT LAB#: 546005 Sample Description: P-103D License/Well #: 00467/141 Sampled: 03/25/2021 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.30	ug/L	0.023	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 19:46	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 19:46	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 19:46	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/04/2021 19:46	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
Trichloroethene	0.076	ug/L	0.022 *	0.10	1			04/04/2021 19:46	RLD	EPA 8260C

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

CT LAB#: 546005 Sample Description: P-103D License/Well #: 00467/141 Sampled: 03/25/2021 0750

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 19:46	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 19:46	RLD	EPA 8260C
Vinyl chloride	0.23	ug/L	0.019	0.10	1			04/04/2021 19:46	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			04/04/2021 19:46	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			04/04/2021 19:46	RLD	EPA 8260C
d8-Toluene	99	% Recovery	70.0	130	1			04/04/2021 19:46	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			04/04/2021 19:46	RLD	EPA 8260C

CT LAB#: 546007 Sample Description: P-107D License/Well #: 00467/119 Sampled: 03/25/2021 0840

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	29	mg/L	0.80	2.5	1			03/31/2021 15:58	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:44	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	209	ug/L	1.4	5.0	1			03/30/2021 16:38	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
1,1-Dichloroethane	0.023	ug/L	0.017 *	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	0.019	ug/L	0.011 *	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 20:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 20:14	RLD	EPA 8260C

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

CT LAB#: 546007 Sample Description: P-107D License/Well #: 00467/119 Sampled: 03/25/2021 0840

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			04/04/2021 20:14	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 20:14	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 20:14	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 20:14	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 20:14	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 20:14	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 20:14	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Chloroethane	1.9	ug/L	0.40	1.5	1			04/04/2021 20:14	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 20:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	2.0	ug/L	0.023	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 20:14	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 20:14	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 20:14	RLD	EPA 8260C

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

CT LAB#: 546007 Sample Description: P-107D License/Well #: 00467/119 Sampled: 03/25/2021 0840

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			04/04/2021 20:14	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			04/04/2021 20:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			04/04/2021 20:14	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			04/04/2021 20:14	RLD	EPA 8260C
Tetrahydrofuran	0.84	ug/L	0.38	*	2.0	1			04/04/2021 20:14	RLD	EPA 8260C
Toluene	0.014	ug/L	0.014	*	0.10	1			04/04/2021 20:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Trichloroethene	0.15	ug/L	0.022		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			04/04/2021 20:14	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1			04/04/2021 20:14	RLD	EPA 8260C
Vinyl chloride	4.3	ug/L	0.019		0.10	1			04/04/2021 20:14	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	70.0		130	1			04/04/2021 20:14	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0		130	1			04/04/2021 20:14	RLD	EPA 8260C
d8-Toluene	99	% Recovery	70.0		130	1			04/04/2021 20:14	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0		130	1			04/04/2021 20:14	RLD	EPA 8260C

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

CT LAB#: 546008 Sample Description: P-111D License/Well #: 00467/130 Sampled: 03/25/2021 0940

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			03/31/2021 16:52	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:45	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	30.9	ug/L	1.4	5.0	1			03/30/2021 16:45	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 20:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 20:43	RLD	EPA 8260C

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

CT LAB#: 546008 Sample Description: P-111D License/Well #: 00467/130 Sampled: 03/25/2021 0940

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			04/04/2021 20:43	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 20:43	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 20:43	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 20:43	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 20:43	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 20:43	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 20:43	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Chloroethane	0.93	ug/L	0.40 *	1.5	1			04/04/2021 20:43	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.0	ug/L	0.023	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 20:43	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 20:43	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 20:43	RLD	EPA 8260C

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

CT LAB#: 546008 Sample Description: P-111D License/Well #: 00467/130 Sampled: 03/25/2021 0940

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			04/04/2021 20:43	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
Methyl tert-butyl ether	0.024	ug/L	0.014 *	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 20:43	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
Tetrahydrofuran	0.57	ug/L	0.38 *	2.0	1			04/04/2021 20:43	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.050	ug/L	0.020 *	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 20:43	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 20:43	RLD	EPA 8260C
Vinyl chloride	3.2	ug/L	0.019	0.10	1			04/04/2021 20:43	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	70.0	130	1			04/04/2021 20:43	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			04/04/2021 20:43	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			04/04/2021 20:43	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			04/04/2021 20:43	RLD	EPA 8260C

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

CT LAB#: 546009 Sample Description: P-113A License/Well #: 00467/136 Sampled: 03/25/2021 1050

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			03/31/2021 17:10	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:46	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	30.2	ug/L	1.4	5.0	1			03/30/2021 16:51	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 21:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 21:11	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#: 546009 Sample Description: P-113A License/Well #: 00467/136 Sampled: 03/25/2021 1050

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			04/04/2021 21:11	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 21:11	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 21:11	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 21:11	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 21:11	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 21:11	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 21:11	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/04/2021 21:11	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 21:11	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 21:11	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 21:11	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#: 546009 Sample Description: P-113A License/Well #: 00467/136 Sampled: 03/25/2021 1050

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			04/04/2021 21:11	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 21:11	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/04/2021 21:11	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 21:11	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 21:11	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			04/04/2021 21:11	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	70.0	130	1			04/04/2021 21:11	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			04/04/2021 21:11	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			04/04/2021 21:11	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			04/04/2021 21:11	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#: 546010 Sample Description: P-113B License/Well #: 00467/138 Sampled: 03/25/2021 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	74	mg/L	4.0	13	5			03/31/2021 17:29	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:47	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	38.3	ug/L	1.4	5.0	1			03/30/2021 17:15	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 21:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 21:39	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#: 546010 Sample Description: P-113B License/Well #: 00467/138 Sampled: 03/25/2021 1135

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			04/04/2021 21:39	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 21:39	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 21:39	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 21:39	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 21:39	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 21:39	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 21:39	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/04/2021 21:39	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 21:39	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 21:39	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 21:39	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#: 546010 Sample Description: P-113B License/Well #: 00467/138 Sampled: 03/25/2021 1135

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			04/04/2021 21:39	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 21:39	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/04/2021 21:39	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 21:39	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 21:39	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			04/04/2021 21:39	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			04/04/2021 21:39	RLD	EPA 8260C
Bromofluorobenzene	103	% Recovery	70.0	130	1			04/04/2021 21:39	RLD	EPA 8260C
d8-Toluene	98	% Recovery	70.0	130	1			04/04/2021 21:39	RLD	EPA 8260C
Dibromofluoromethane	103	% Recovery	70.0	130	1			04/04/2021 21:39	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#: 546011 Sample Description: P-114 License/Well #: 00467/140 Sampled: 03/24/2021 1445

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			03/31/2021 17:47	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:49	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	64.1	ug/L	1.4	5.0	1			03/30/2021 17:22	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 22:08	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 22:08	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#: 546011 Sample Description: P-114 License/Well #: 00467/140 Sampled: 03/24/2021 1445

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			04/04/2021 22:08	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 22:08	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 22:08	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 22:08	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 22:08	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 22:08	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 22:08	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Chloroethane	0.47	ug/L	0.40 *	1.5	1			04/04/2021 22:08	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 22:08	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.8	ug/L	0.023	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 22:08	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 22:08	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 22:08	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#: 546011 Sample Description: P-114 License/Well #: 00467/140 Sampled: 03/24/2021 1445

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			04/04/2021 22:08	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			04/04/2021 22:08	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			04/04/2021 22:08	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028		0.20	1			04/04/2021 22:08	RLD	EPA 8260C
Tetrahydrofuran	0.65	ug/L	0.38	*	2.0	1			04/04/2021 22:08	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
trans-1,2-Dichloroethene	0.028	ug/L	0.020	*	0.10	1			04/04/2021 22:08	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033		0.20	1			04/04/2021 22:08	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14		1.0	1			04/04/2021 22:08	RLD	EPA 8260C
Vinyl chloride	7.4	ug/L	0.019		0.10	1			04/04/2021 22:08	RLD	EPA 8260C
1,2 Dichloroethane-d4	95	% Recovery	70.0		130	1			04/04/2021 22:08	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0		130	1			04/04/2021 22:08	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0		130	1			04/04/2021 22:08	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0		130	1			04/04/2021 22:08	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#: 546012 Sample Description: P-115 License/Well #: 00467/142 Sampled: 03/24/2021 1720

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	35	mg/L	0.80	2.5	1			04/01/2021 09:53	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:52	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	115	ug/L	1.4	5.0	1			03/30/2021 17:28	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 22:36	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 22:36	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#: 546012 Sample Description: P-115 License/Well #: 00467/142 Sampled: 03/24/2021 1720

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			04/04/2021 22:36	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 22:36	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 22:36	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 22:36	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 22:36	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 22:36	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 22:36	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/04/2021 22:36	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.20	ug/L	0.023	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 22:36	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 22:36	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 22:36	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#: 546012 Sample Description: P-115 License/Well #: 00467/142 Sampled: 03/24/2021 1720

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			04/04/2021 22:36	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 22:36	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/04/2021 22:36	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 22:36	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 22:36	RLD	EPA 8260C
Vinyl chloride	0.52	ug/L	0.019	0.10	1			04/04/2021 22:36	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			04/04/2021 22:36	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			04/04/2021 22:36	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			04/04/2021 22:36	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			04/04/2021 22:36	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#: 546013 Sample Description: P-116 License/Well #: 00467/143 Sampled: 03/24/2021 1615

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			03/31/2021 18:23	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:54	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	84.1	ug/L	1.4	5.0	1			03/30/2021 17:35	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 23:04	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 23:04	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#: 546013 Sample Description: P-116 License/Well #: 00467/143 Sampled: 03/24/2021 1615

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			04/04/2021 23:04	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 23:04	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 23:04	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 23:04	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 23:04	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 23:04	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 23:04	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/04/2021 23:04	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 23:04	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 23:04	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 23:04	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#: 546013 Sample Description: P-116 License/Well #: 00467/143 Sampled: 03/24/2021 1615

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			04/04/2021 23:04	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 23:04	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/04/2021 23:04	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 23:04	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 23:04	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			04/04/2021 23:04	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			04/04/2021 23:04	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			04/04/2021 23:04	RLD	EPA 8260C
d8-Toluene	99	% Recovery	70.0	130	1			04/04/2021 23:04	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			04/04/2021 23:04	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#: 546014 Sample Description: P-117 License/Well #: 00467/144 Sampled: 03/25/2021 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	59	mg/L	4.0	13	5			03/31/2021 18:41	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:55	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	217	ug/L	1.4	5.0	1			03/30/2021 17:41	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/04/2021 23:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/04/2021 23:32	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#: 546014 Sample Description: P-117 License/Well #: 00467/144 Sampled: 03/25/2021 1505

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			04/04/2021 23:32	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/04/2021 23:32	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/04/2021 23:32	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/04/2021 23:32	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/04/2021 23:32	RLD	EPA 8260C
Benzene	0.029	ug/L	0.022 *	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/04/2021 23:32	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/04/2021 23:32	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Chloroethane	0.41	ug/L	0.40 *	1.5	1			04/04/2021 23:32	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.75	ug/L	0.023	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/04/2021 23:32	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/04/2021 23:32	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/04/2021 23:32	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#: 546014 Sample Description: P-117 License/Well #: 00467/144 Sampled: 03/25/2021 1505

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			04/04/2021 23:32	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/04/2021 23:32	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/04/2021 23:32	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Trichloroethene	0.054	ug/L	0.022 *	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/04/2021 23:32	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/04/2021 23:32	RLD	EPA 8260C
Vinyl chloride	1.0	ug/L	0.019	0.10	1			04/04/2021 23:32	RLD	EPA 8260C
1,2 Dichloroethane-d4	97	% Recovery	70.0	130	1			04/04/2021 23:32	RLD	EPA 8260C
Bromofluorobenzene	105	% Recovery	70.0	130	1			04/04/2021 23:32	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			04/04/2021 23:32	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			04/04/2021 23:32	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#: 546015 Sample Description: P-118 License/Well #: 00467/145 Sampled: 03/25/2021 1600

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	25	mg/L	0.80	2.5	1			03/31/2021 19:35	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:56	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	49.5	ug/L	1.4	5.0	1			03/30/2021 17:48	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/05/2021 00:01	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:01	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#: 546015 Sample Description: P-118 License/Well #: 00467/145 Sampled: 03/25/2021 1600

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			04/05/2021 00:01	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/05/2021 00:01	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/05/2021 00:01	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/05/2021 00:01	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/05/2021 00:01	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/05/2021 00:01	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/05/2021 00:01	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/05/2021 00:01	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/05/2021 00:01	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/05/2021 00:01	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/05/2021 00:01	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#: 546015 Sample Description: P-118 License/Well #: 00467/145 Sampled: 03/25/2021 1600

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			04/05/2021 00:01	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/05/2021 00:01	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/05/2021 00:01	RLD	EPA 8260C
Toluene	0.020	ug/L	0.014 *	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/05/2021 00:01	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/05/2021 00:01	RLD	EPA 8260C
Vinyl chloride	0.086	ug/L	0.019 *	0.10	1			04/05/2021 00:01	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			04/05/2021 00:01	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			04/05/2021 00:01	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			04/05/2021 00:01	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			04/05/2021 00:01	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#: 546016 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 03/25/2021 1355

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	21	mg/L	0.80	2.5	1			03/31/2021 19:53	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:57	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	445	ug/L	1.4	5.0	1			03/30/2021 17:54	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/05/2021 00:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:29	RLD	EPA 8260C

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

CT LAB#: 546016 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 03/25/2021 1355

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			04/05/2021 00:29	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/05/2021 00:29	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/05/2021 00:29	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/05/2021 00:29	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/05/2021 00:29	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/05/2021 00:29	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/05/2021 00:29	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/05/2021 00:29	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/05/2021 00:29	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/05/2021 00:29	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/05/2021 00:29	RLD	EPA 8260C

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

CT LAB#: 546016 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 03/25/2021 1355

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			04/05/2021 00:29	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/05/2021 00:29	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/05/2021 00:29	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/05/2021 00:29	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/05/2021 00:29	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:29	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			04/05/2021 00:29	RLD	EPA 8260C
Bromofluorobenzene	104	% Recovery	70.0	130	1			04/05/2021 00:29	RLD	EPA 8260C
d8-Toluene	99	% Recovery	70.0	130	1			04/05/2021 00:29	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			04/05/2021 00:29	RLD	EPA 8260C

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

CT LAB#: 546017 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 03/25/2021 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	67	mg/L	0.80	2.5	1			04/01/2021 10:11	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 13:59	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	88.7	ug/L	1.4	5.0	1			03/30/2021 18:01	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/05/2021 00:57	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/05/2021 00:57	RLD	EPA 8260C

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

CT LAB#: 546017 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 03/25/2021 1250

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			04/05/2021 00:57	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/05/2021 00:57	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/05/2021 00:57	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/05/2021 00:57	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/05/2021 00:57	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/05/2021 00:57	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/05/2021 00:57	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/05/2021 00:57	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.032	ug/L	0.023 *	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/05/2021 00:57	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/05/2021 00:57	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/05/2021 00:57	RLD	EPA 8260C

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

CT LAB#: 546017 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 03/25/2021 1250

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			04/05/2021 00:57	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/05/2021 00:57	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/05/2021 00:57	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/05/2021 00:57	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/05/2021 00:57	RLD	EPA 8260C
Vinyl chloride	0.042	ug/L	0.019 *	0.10	1			04/05/2021 00:57	RLD	EPA 8260C
1,2 Dichloroethane-d4	98	% Recovery	70.0	130	1			04/05/2021 00:57	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			04/05/2021 00:57	RLD	EPA 8260C
d8-Toluene	99	% Recovery	70.0	130	1			04/05/2021 00:57	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			04/05/2021 00:57	RLD	EPA 8260C

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

CT LAB#: 546018 Sample Description: DUP-1 License #:00467 Sampled: 03/24/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	61	mg/L	0.80	2.5	1			03/31/2021 20:29	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.50	1			03/27/2021 14:00	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	63.3	ug/L	1.4	5.0	1			03/30/2021 18:07	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/05/2021 01:25	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/05/2021 01:25	RLD	EPA 8260C

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

CT LAB#: 546018 Sample Description: DUP-1 License #:00467 Sampled: 03/24/2021

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			04/05/2021 01:25	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/05/2021 01:25	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/05/2021 01:25	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/05/2021 01:25	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			04/05/2021 01:25	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Y		04/05/2021 01:25	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/05/2021 01:25	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/05/2021 01:25	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.8	ug/L	0.023	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/05/2021 01:25	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/05/2021 01:25	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/05/2021 01:25	RLD	EPA 8260C

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

CT LAB#: 546018 Sample Description: DUP-1 License #:00467 Sampled: 03/24/2021

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			04/05/2021 01:25	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			04/05/2021 01:25	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
Tetrahydrofuran	0.75	ug/L	0.38 *	2.0	1			04/05/2021 01:25	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/05/2021 01:25	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/05/2021 01:25	RLD	EPA 8260C
Vinyl chloride	7.4	ug/L	0.019	0.10	1			04/05/2021 01:25	RLD	EPA 8260C
1,2 Dichloroethane-d4	99	% Recovery	70.0	130	1			04/05/2021 01:25	RLD	EPA 8260C
Bromofluorobenzene	105	% Recovery	70.0	130	1			04/05/2021 01:25	RLD	EPA 8260C
d8-Toluene	98	% Recovery	70.0	130	1			04/05/2021 01:25	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			04/05/2021 01:25	RLD	EPA 8260C

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

CT LAB#: 546037 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 03/25/2021

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			04/05/2021 10:32	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			04/05/2021 10:32	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			04/05/2021 10:32	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			04/05/2021 10:32	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			04/05/2021 10:32	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			04/05/2021 10:32	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#: 546037 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 03/25/2021

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			04/05/2021 10:32	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1	Z,Y		04/05/2021 10:32	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			04/05/2021 10:32	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			04/05/2021 10:32	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			04/05/2021 10:32	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			04/05/2021 10:32	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Methylene chloride	0.34	ug/L	0.090 *	0.40	1			04/05/2021 10:32	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	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#: 546037 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 03/25/2021

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			04/05/2021 10:32	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			04/05/2021 10:32	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			04/05/2021 10:32	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			04/05/2021 10:32	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			04/05/2021 10:32	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			04/05/2021 10:32	RLD	EPA 8260C
Bromofluorobenzene	99	% Recovery	70.0	130	1			04/05/2021 10:32	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			04/05/2021 10:32	RLD	EPA 8260C
Dibromofluoromethane	99	% Recovery	70.0	130	1			04/05/2021 10:32	RLD	EPA 8260C

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

Notes regarding entire Chain of Custody:

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.

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-3A*	**Well #: *133***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	445	60	300	1.4	ug/L

Well Description: *MW-3B*	**Well #: *134***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	88.7	60	300	1.4	ug/L
Vinyl chloride	39175	0.042	0.02	0.20	0.019	ug/L

Well Description: *P-103D*	**Well #: *141***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	88.8	60	300	1.4	ug/L
Vinyl chloride	39175	0.23	0.02	0.20	0.019	ug/L

Well Description: *P-107D*	**Well #: *119***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	209	60	300	1.4	ug/L
Vinyl chloride	39175	4.3	0.02	0.20	0.019	ug/L

Well Description: *P-111D*	**Well #: *130***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	3.2	0.02	0.20	0.019	ug/L

Well Description: *P-114*	**Well #: *140***	GROUND WATER			**Sample Date**	**03/24/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	64.1	60	300	1.4	ug/L
Vinyl chloride	39175	7.4	0.02	0.20	0.019	ug/L

Well Description: *P-115*	**Well #: *142***	GROUND WATER			**Sample Date**	**03/24/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	115	60	300	1.4	ug/L
Vinyl chloride	39175	0.52	0.02	0.20	0.019	ug/L

Well Description: *P-116*	**Well #: *143***	GROUND WATER			**Sample Date**	**03/24/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	84.1	60	300	1.4	ug/L

Well Description: *P-117*	**Well #: *144***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units

Preventative Action Limit (PAL) Exceedances

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

Well Description: *P-117*	**Well #: *144***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	217	60	300	1.4	ug/L
Vinyl chloride	39175	1.0	0.02	0.20	0.019	ug/L

Well Description: *P-118*	**Well #: *145***	GROUND WATER			**Sample Date**	**03/25/2021**
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride	39175	0.086	0.02	0.20	0.019	ug/L

Summary of Detected Organic Compounds

04/08/2021

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

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

Parameter	Sample Date							
	3/24/2021	10/28/2020	7/13/2020	4/28/2020	2/25/2020	10/21/2019	7/22/2019	5/22/2019
1,1-Dichloroethane				0.017				
Acetone							0.52	0.38
Carbon disulfide			0.018	0.022	0.015	0.022		
Chloroethane		0.63	0.54	1.4		0.26	0.36	0.28
Chloromethane				0.047	0.083			
cis-1,2-Dichloroethene	1.8	2.0	2.1	3.2		1.6	2.1	1.7
Dichlorodifluoromethane			0.067	0.073		0.16		
p-Isopropyltoluene								0.15
Tetrahydrofuran	0.75	0.70		0.51				
trans-1,2-Dichloroethene		0.042		0.044				
Vinyl chloride	7.4	7.8	8.0	3.5		8.3	6.4	3.7

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

Parameter	Sample Date			
	7/14/2020	4/28/2020	7/22/2019	5/22/2019
Acetone		1.1	0.88	3.3
Carbon disulfide		0.022		
Chloromethane		0.061		
cis-1,2-Dichloroethene	0.24	0.24	0.31	0.34
Tetrachloroethene	0.24	0.25	0.29	0.27
trans-1,2-Dichloroethene			0.052	0.040
Trichloroethene	1.5	1.4	1.6	1.4

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

Parameter	Sample Date	
	4/28/2020	5/22/2019
1,4-Dichlorobenzene	1.6	1.6
Acetone	1.5	2.2
Benzene	0.12	0.15
Carbon disulfide	0.16	0.16
Chlorobenzene	3.7	3.6
Chloromethane	0.032	
cis-1,2-Dichloroethene	0.094	0.20
Diisopropyl ether	0.047	
Isopropylbenzene	0.19	0.17
m & p-Xylene	0.032	
Methyl tert-butyl ether	0.068	0.054
sec-Butylbenzene	0.065	0.061
tert-Butylbenzene	0.015	
Toluene	0.024	0.041
Trichloroethene	0.041	0.054
Vinyl chloride		0.72

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

Parameter	Sample Date			
	7/14/2020	4/27/2020	7/23/2019	5/22/2019
Acetone			0.40	0.36
Carbon disulfide		0.029		
cis-1,2-Dichloroethene	0.043	0.040		
Trichloroethene		0.035		
Vinyl chloride		0.027	0.038	0.036

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

Parameter	Sample Date 4/27/2020	5/22/2019
Carbon disulfide	0.021	
Chloromethane	0.034	
cis-1,2-Dichloroethene	0.059	
Trichloroethene	0.14	0.15

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

Parameter	Sample Date	
	4/28/2020	5/21/2019
Acetone		1.3
Carbon disulfide	0.018	
Tetrachloroethene	0.036	
Trichloroethene	0.029	

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

Parameter	Sample Date 4/28/2020	5/21/2019
Acetone		0.60
Benzene	0.021	
Carbon disulfide	0.019	
Chloroethane	0.21	0.081
Chloromethane	0.049	
cis-1,2-Dichloroethene	0.26	0.28
Dichlorodifluoromethane	0.035	
Trichloroethene	0.065	0.074
Vinyl chloride	0.84	0.95

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

Parameter	Sample Date							
	3/25/2021	10/29/2020	7/14/2020	4/28/2020	2/25/2020	10/21/2019	7/23/2019	5/21/2019
1,1-Dichloroethane	0.023	0.025				0.029		
1,2,4-Trimethylbenzene	0.019			0.021				
Acetone							0.61	0.87
Carbon disulfide			0.024	0.044	0.044	0.036		
Chloroethane	1.9	2.9	2.6		0.45	2.0	1.4	1.3
Chloromethane					0.053			
cis-1,2-Dichloroethene	2.0	2.3	1.7	0.81	0.66	2.1	1.9	1.7
Dichlorodifluoromethane			0.067			0.17		
Tetrahydrofuran	0.84	0.84						
Toluene	0.014	0.024						
Trichloroethene	0.15	0.13	0.098	0.037	0.043	0.12	0.14	0.12
Vinyl chloride	4.3	5.7	5.8	2.8	2.1	7.6	4.4	5.2

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

Parameter	Sample Date			
	7/14/2020	4/28/2020	7/22/2019	5/22/2019
Acetone		0.93		0.64
Chlorobenzene	0.068	0.047	0.10	0.058
Chloromethane		0.056		
cis-1,2-Dichloroethene	0.15	0.16	0.21	0.28
Dichlorodifluoromethane		0.032		
Tetrachloroethene	0.24	0.28	0.16	0.25
Trichloroethene	0.62	1.0	0.74	0.99
Vinyl chloride		0.025	0.040	0.031

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

Parameter	Sample Date							
	3/25/2021	10/29/2020	7/13/2020	4/28/2020	2/25/2020	10/21/2019	7/23/2019	5/22/2019
Acetone							0.63	0.45
Carbon disulfide			0.021	0.026	0.018	0.043		
Chloroethane	0.93	1.1	1.6	1.5	0.89	0.86	0.89	0.93
Chloromethane				0.047	0.11		0.040	
cis-1,2-Dichloroethene	3.0	3.4	3.1	3.3	2.8	2.9	3.3	2.8
Dichlorodifluoromethane			0.058	0.052		0.16		0.066
Methyl tert-butyl ether	0.024							
Tetrahydrofuran	0.57							
Toluene		0.015						
trans-1,2-Dichloroethene	0.050	0.049		0.042	0.035	0.042		
Vinyl chloride	3.2	3.9	3.7	3.6	3.0	4.6	4.6	4.2

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							
	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019	5/21/2019
Acetone							0.84	0.44
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	0.042	0.049			0.035	0.051	0.065	0.058

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

Parameter	Sample Date		
	7/13/2020	4/27/2020	2/26/2020
Carbon disulfide	0.031	0.017	
Chloromethane	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	5/21/2019
Acetone			0.93			0.32	0.33
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							
	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019	5/22/2019
Acetone				0.84			0.72	0.47
Carbon disulfide			0.019	0.024		0.021		
Chloroethane	0.47	0.43	0.34	0.52	0.27	0.24	0.29	0.27
Chloromethane			0.044	0.042	0.039			
cis-1,2-Dichloroethene	1.8	2.0	2.0	2.1	1.8	1.6	2.1	1.7
Dichlorodifluoromethane			0.040	0.047		0.15		
p-Isopropyltoluene								0.15
Tetrahydrofuran	0.65	0.64		0.63				
Toluene		0.029						
trans-1,2-Dichloroethene	0.028	0.038		0.036				
Vinyl chloride	7.4	8.1	7.7	7.7	7.4	8.0	6.9	7.3

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

Parameter	Sample Date							
	3/25/2021	10/28/2020	7/14/2020	4/27/2020	2/26/2020	10/21/2019	7/23/2019	5/22/2019
Acetone							0.41	0.32
Benzene	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	0.30	0.33	0.32	0.26	0.25	0.25	0.24	0.30
Toluene		0.021						
Trichloroethene	0.076	0.073	0.070	0.054	0.062	0.050	0.10	0.086
Vinyl chloride	0.23	0.26	0.30	0.25	0.22	0.27	0.17	0.31

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

Parameter	Sample Date							
	3/24/2021	10/28/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019	5/22/2019
Acetone				0.93			0.71	0.55
Carbon disulfide			0.032	0.052	0.047	0.025		0.074
Chloromethane			0.041	0.042	0.040			
cis-1,2-Dichloroethene	0.20	0.20	0.19	0.19	0.17	0.15	0.14	0.14
Vinyl chloride	0.52	0.67	0.85	0.83	0.72	0.96	0.91	0.94

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

Parameter	Sample Date					
	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019	5/22/2019
Acetone					0.59	0.75
Carbon disulfide	0.018	0.039	0.028	0.049		
Chloromethane		0.050	0.062			
Toluene						0.040

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

Parameter	Sample Date							
	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019	5/21/2019
Acetone								0.55
Benzene	0.029	0.028	0.022	0.024	0.022			
Carbon disulfide			0.034	0.019	0.017			
Chloroethane	0.41	0.59	0.72	0.55	0.35	0.38	0.36	0.32
Chloromethane			0.040		0.084			
cis-1,2-Dichloroethene	0.75	0.79	0.78	0.77	0.69	0.78	0.84	0.76
Dichlorodifluoromethane			0.041			0.12		
Naphthalene				0.025	0.034			
Toluene		0.020						
Trichloroethene	0.054	0.065	0.063	0.046	0.047	0.061	0.061	
Vinyl chloride	1.0	1.2	1.4	1.2	1.1	1.5	1.3	1.2

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

Parameter	Sample Date							
	3/25/2021	10/29/2020	7/13/2020	4/27/2020	2/25/2020	10/21/2019	7/22/2019	5/21/2019
Acetone								0.57
Carbon disulfide				0.023	0.028	0.054		
Chloromethane			0.052	0.053	0.084			
Naphthalene						0.026		0.044
Toluene	0.020	0.032	0.023	0.033	0.020	0.038	0.055	0.040
Vinyl chloride	0.086	0.088		0.047	0.024	0.079	0.064	0.057

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

Parameter	Sample Date 4/28/2020	5/21/2019
1,1,2,2-Tetrachloroethane		30
1,2,4-Trimethylbenzene	33	110
1,3,5-Trimethylbenzene		44
2-Butanone	2100	
Acetone	780	
Ethylbenzene		29
Isopropylbenzene		11
m & p-Xylene	89	200
Naphthalene	37	100
o-Xylene		8.5
p-Isopropyltoluene		41
sec-Butylbenzene		11
Tetrahydrofuran	840	130

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

Parameter	Sample Date	
	4/28/2020	5/21/2019
1,2,4-Trimethylbenzene	73	85
1,3,5-Trimethylbenzene	15	19
1,4-Dichlorobenzene	16	23
2-Butanone	2200	
Acetone	900	94
Benzene	14	18
Chlorobenzene	88	170
Ethylbenzene	14	8.5
Isopropylbenzene	9.7	13
m & p-Xylene	360	430
Naphthalene	9.9	16
n-Propylbenzene	8.1	10
p-Isopropyltoluene		9.8
Tetrahydrofuran	1000	110
Toluene		3.2

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

Parameter	Sample Date 4/28/2020	5/21/2019
1,2,4-Trimethylbenzene		5.8
1,3,5-Trimethylbenzene		5.0
2-Butanone	23000	280
Acetone	7400	1800
Benzene		4.1
Bromomethane		8.9
Carbon disulfide		75
cis-1,2-Dichloroethene	28	170
Ethylbenzene	6.8	69
m & p-Xylene	32	310
o-Xylene	9.7	78
Tetrahydrofuran		82
Toluene	15	260
Trichloroethene	3.1	14
Vinyl chloride	4.1	

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

Parameter	Sample Date								
	3/25/2021	10/29/2020	6/9/2020	4/28/2020	1/20/2020	10/21/2019	7/21/2019	7/2/2019	5/22/2019
1,4-Dioxane			13						
Acetone				1.3		3.3	1.1	1.2	0.57
Carbon disulfide			0.021			0.021			
Chloromethane		0.051	0.037		0.49	0.046			
Methylene chloride	0.34	0.46	1.2	0.92	0.40	0.20	1.3	1.1	
Toluene		0.064							

CT LABORATORIES
delivering more than data from your environmental analyses

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

QC SUMMARY REPORT

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

SDG #: 0 **Folder #: 160648** **Project #: 421748**

Lab Control Spike Water

Analytical Run #:	180412	Analysis Date:	03/27/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	546247	Analysis Time:	13:25	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	4.810	mg/L			5.000	96	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	4.810	mg/L			5.000	96	90 --- 110		

Method Blank Water

Analytical Run #:	180412	Analysis Date:	03/27/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	546248	Analysis Time:	13:26	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

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

Matrix Spike Duplicate Water

Analytical Run #:	180412	Analysis Date:	03/27/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	546460	Analysis Time:	14:02	Prep Date/Time:		Method:	
Parent Sample #:	546459	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	1.91	mg/L	BDL		2.00	96	90 --- 110	5	20

Matrix Spike Water

Analytical Run #:	180412	Analysis Date:	03/27/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	546459	Analysis Time:	14:01	Prep Date/Time:		Method:	
Parent Sample #:	546018	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen	2.01	mg/L	BDL		2.00	100	90 --- 110		20

Duplicate

Analytical Run #:	180494	Analysis Date:	03/31/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	548450	Analysis Time:	16:16	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	546007	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Sulfate	29.4	mg/L	29					1	10

Lab Control Spike Water

Analytical Run #:	180494	Analysis Date:	03/31/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	548457	Analysis Time:	11:27	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	24.54	mg/L			25.00	98	80 --- 120		

Method Blank Water

Analytical Run #:	180494	Analysis Date:	03/31/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	548456	Analysis Time:	11:45	Prep Date/Time:		Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:			

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

Matrix Spike Water

Analytical Run #:	180494	Analysis Date:	03/31/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	548449	Analysis Time:	16:34	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	546007	Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Sulfate	36.2	mg/L	29		8.00	90	49 --- 120		20

Matrix Spike Duplicate Water

Analytical Run #:	180416	Analysis Date:	03/30/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	548244	Analysis Time:	18:37	Prep Date/Time:		Method:	SW6010
Parent Sample #:	548240	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1050	ug/L	63.3		1000	99	67 --- 121	5	13

Matrix Spike Water

Analytical Run #:	180416	Analysis Date:	03/30/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	548240	Analysis Time:	18:14	Prep Date/Time:		Method:	SW6010
Parent Sample #:	546018	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	1100	ug/L	63.3		1000	104	67 --- 121		13

Lab Control Spike Duplicate Water

Analytical Run #:	180437	Analysis Date:	04/05/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	549026	Analysis Time:	03:47	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	548962	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	3.93	ug/L	3.98		4.00	98	78 --- 121	1	20
1,1,1-Trichloroethane	3.84	ug/L	3.90		4.00	96	82 --- 122	2	20
1,1,2,2-Tetrachloroethane	3.61	ug/L	3.73		4.00	90	68 --- 128	3	20
1,1,2-Trichloroethane	3.84	ug/L	3.76		4.00	96	84 --- 114	2	20
1,1-Dichloroethane	3.97	ug/L	3.92		4.00	99	76 --- 122	1	20
1,1-Dichloroethene	3.77	ug/L	4.02		4.00	94	83 --- 123	6	20
1,1-Dichloropropene	3.88	ug/L	3.93		4.00	97	85 --- 120	1	20
1,2 Dichloroethane-d4	96.0	% Recovery			100	96.0	87 --- 107		
1,2,3-Trichlorobenzene	3.76	ug/L	3.79		4.00	94	78 --- 121	1	20
1,2,3-Trichloropropane	3.85	ug/L	4.16		4.00	96	62 --- 129	8	20
1,2,4-Trichlorobenzene	3.89	ug/L	4.03		4.00	97	80 --- 120	4	20
1,2,4-Trimethylbenzene	3.96	ug/L	3.95		4.00	99	76 --- 125	0	20
1,2-Dibromo-3-chloropropane	3.47	ug/L	3.73		4.00	87	69 --- 125	7	20
1,2-Dibromoethane	3.77	ug/L	3.78		4.00	94	80 --- 118	0	20
1,2-Dichlorobenzene	3.91	ug/L	3.83		4.00	98	80 --- 117	2	20
1,2-Dichloroethane	3.93	ug/L	3.79		4.00	98	78 --- 118	4	20
1,2-Dichloropropane	3.93	ug/L	3.82		4.00	98	78 --- 121	3	20
1,3,5-Trimethylbenzene	3.96	ug/L	4.02		4.00	99	76 --- 126	2	20
1,3-Dichlorobenzene	3.99	ug/L	4.00		4.00	100	78 --- 119	0	20
1,3-Dichloropropane	3.75	ug/L	3.64		4.00	94	82 --- 117	3	20
1,4-Dichlorobenzene	3.93	ug/L	4.00		4.00	98	77 --- 118	2	20
2,2-Dichloropropane	3.29	ug/L	3.97		4.00	82	71 --- 133	19	20
2-Butanone	37.0	ug/L	35.5		40.0	92	80 --- 120	4	20
2-Chlorotoluene	4.04	ug/L	4.04		4.00	101	73 --- 124	0	20
2-Hexanone	37.3	ug/L	36.8		40.0	93	73 --- 127	1	20
4-Chlorotoluene	3.98	ug/L	3.98		4.00	100	74 --- 125	0	20
4-Methyl-2-pentanone	37.2	ug/L	35.4		40.0	93	77 --- 125	5	20
Acetone	44.2	ug/L	46.7		40.0	110	72 --- 117	6	20
Benzene	3.89	ug/L	3.90		4.00	97	82 --- 118	0	20
Bromobenzene	3.72	ug/L	3.94		4.00	93	77 --- 118	6	20
Bromochloromethane	3.52	ug/L	3.61		4.00	88	81 --- 116	3	20
Bromodichloromethane	3.73	ug/L	3.73		4.00	93	80 --- 122	0	20
Bromofluorobenzene	100	% Recovery			100	100	90 --- 108		
Bromoform	3.52	ug/L	3.79		4.00	88	72 --- 124	7	20
Bromomethane	2.88	ug/L	3.85		4.00	72	25 --- 156	29	20
Carbon disulfide	7.93	ug/L	8.32		8.00	99	81 --- 124	5	20
Carbon tetrachloride	4.02	ug/L	4.10		4.00	100	87 --- 129	2	20
Chlorobenzene	3.82	ug/L	3.80		4.00	96	78 --- 118	1	20
Chloroethane	4.35	ug/L	4.10		4.00	109	73 --- 126	6	20
Chloroform	3.95	ug/L	4.02		4.00	99	76 --- 119	2	20
Chloromethane	3.70	ug/L	3.92		4.00	92	70 --- 121	6	20
cis-1,2-Dichloroethene	3.77	ug/L	3.80		4.00	94	82 --- 118	1	20

Lab Control Spike Duplicate Water

Analytical Run #:	180437	Analysis Date:	04/05/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	549026	Analysis Time:	03:47	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	548962	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	3.71	ug/L	3.77		4.00	93	81 --- 123	2	20
d8-Toluene	99.0	% Recovery			100	99.0	93 --- 108		
Dibromochloromethane	3.85	ug/L	3.97		4.00	96	76 --- 124	3	20
Dibromofluoromethane	100	% Recovery			100	100	93 --- 106		
Dibromomethane	3.66	ug/L	3.64		4.00	92	83 --- 115	1	20
Dichlorodifluoromethane	4.00	ug/L	4.05		4.00	100	78 --- 126	1	20
Diisopropyl ether	3.87	ug/L	3.73		4.00	97	75 --- 125	4	20
Ethylbenzene	4.01	ug/L	4.02		4.00	100	78 --- 125	0	20
Hexachlorobutadiene	3.81	ug/L	3.68		4.00	95	79 --- 123	3	20
Isopropylbenzene	3.94	ug/L	3.95		4.00	98	81 --- 124	0	20
m & p-Xylene	7.87	ug/L	7.95		8.00	98	80 --- 123	1	20
Methyl tert-butyl ether	3.73	ug/L	3.61		4.00	93	82 --- 116	3	20
Methylene chloride	3.94	ug/L	4.08		4.00	98	73 --- 128	3	20
n-Butylbenzene	4.13	ug/L	3.88		4.00	103	76 --- 127	6	20
n-Propylbenzene	4.10	ug/L	4.15		4.00	102	75 --- 129	1	20
Naphthalene	3.73	ug/L	3.82		4.00	93	64 --- 129	2	20
o-Xylene	3.90	ug/L	3.89		4.00	98	81 --- 121	0	20
p-Isopropyltoluene	4.04	ug/L	3.97		4.00	101	79 --- 126	2	20
sec-Butylbenzene	4.10	ug/L	4.03		4.00	102	76 --- 128	2	20
Styrene	3.90	ug/L	3.88		4.00	98	81 --- 122	1	20
tert-Butylbenzene	4.01	ug/L	4.07		4.00	100	76 --- 125	1	20
Tetrachloroethene	3.80	ug/L	3.89		4.00	95	82 --- 123	2	20
Tetrahydrofuran	36.3	ug/L	36.1		40.0	91	69 --- 122	1	20
Toluene	3.84	ug/L	3.83		4.00	96	82 --- 119	0	20
trans-1,2-Dichloroethene	3.80	ug/L	3.96		4.00	95	80 --- 122	4	20
trans-1,3-Dichloropropene	3.78	ug/L	3.92		4.00	94	83 --- 119	4	20
Trichloroethene	3.95	ug/L	3.95		4.00	99	82 --- 120	0	20
Trichlorofluoromethane	3.87	ug/L	4.26		4.00	97	78 --- 130	10	20
Vinyl acetate	30.1	ug/L	36.2		40.0	75	63 --- 136	18	20
Vinyl chloride	3.87	ug/L	4.05		4.00	97	73 --- 127	5	20

Lab Control Spike Water

Analytical Run #:	180437	Analysis Date:	04/04/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	548962	Analysis Time:	16:57	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	3.98	ug/L			4.00	100	78 --- 121		20
1,1,1-Trichloroethane	3.90	ug/L			4.00	98	82 --- 122		20
1,1,2,2-Tetrachloroethane	3.73	ug/L			4.00	93	68 --- 128		20
1,1,2-Trichloroethane	3.76	ug/L			4.00	94	84 --- 114		20
1,1-Dichloroethane	3.92	ug/L			4.00	98	76 --- 122		20
1,1-Dichloroethene	4.02	ug/L			4.00	100	83 --- 123		20
1,1-Dichloropropene	3.93	ug/L			4.00	98	85 --- 120		20
1,2 Dichloroethane-d4	95.0	% Recovery			100	95.0	87 --- 107		
1,2,3-Trichlorobenzene	3.79	ug/L			4.00	95	78 --- 121		20
1,2,3-Trichloropropane	4.16	ug/L			4.00	104	62 --- 129		20
1,2,4-Trichlorobenzene	4.03	ug/L			4.00	101	80 --- 120		20
1,2,4-Trimethylbenzene	3.95	ug/L			4.00	99	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.73	ug/L			4.00	93	69 --- 125		20
1,2-Dibromoethane	3.78	ug/L			4.00	94	80 --- 118		20
1,2-Dichlorobenzene	3.83	ug/L			4.00	96	80 --- 117		20
1,2-Dichloroethane	3.79	ug/L			4.00	95	78 --- 118		20
1,2-Dichloropropane	3.82	ug/L			4.00	96	78 --- 121		20
1,3,5-Trimethylbenzene	4.02	ug/L			4.00	100	76 --- 126		20
1,3-Dichlorobenzene	4.00	ug/L			4.00	100	78 --- 119		20
1,3-Dichloropropane	3.64	ug/L			4.00	91	82 --- 117		20
1,4-Dichlorobenzene	4.00	ug/L			4.00	100	77 --- 118		20
2,2-Dichloropropane	3.97	ug/L			4.00	99	71 --- 133		20
2-Butanone	35.5	ug/L			40.0	89	80 --- 120		20
2-Chlorotoluene	4.04	ug/L			4.00	101	73 --- 124		20
2-Hexanone	36.8	ug/L			40.0	92	73 --- 127		20
4-Chlorotoluene	3.98	ug/L			4.00	100	74 --- 125		20
4-Methyl-2-pentanone	35.4	ug/L			40.0	88	77 --- 125		20
Acetone	46.7	ug/L			40.0	117	72 --- 117		20
Benzene	3.90	ug/L			4.00	98	82 --- 118		20
Bromobenzene	3.94	ug/L			4.00	98	77 --- 118		20
Bromochloromethane	3.61	ug/L			4.00	90	81 --- 116		20
Bromodichloromethane	3.73	ug/L			4.00	93	80 --- 122		20
Bromofluorobenzene	105	% Recovery			100	105	90 --- 108		
Bromoform	3.79	ug/L			4.00	95	72 --- 124		20
Bromomethane	3.85	ug/L			4.00	96	25 --- 156		20
Carbon disulfide	8.32	ug/L			8.00	104	81 --- 124		20
Carbon tetrachloride	4.10	ug/L			4.00	102	87 --- 129		20
Chlorobenzene	3.80	ug/L			4.00	95	78 --- 118		20
Chloroethane	4.10	ug/L			4.00	102	73 --- 126		20
Chloroform	4.02	ug/L			4.00	100	76 --- 119		20
Chloromethane	3.92	ug/L			4.00	98	70 --- 121		20
cis-1,2-Dichloroethene	3.80	ug/L			4.00	95	82 --- 118		20

Lab Control Spike Water

Analytical Run #:	180437	Analysis Date:	04/04/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	548962	Analysis Time:	16:57	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.77	ug/L			4.00	94	81 --- 123		20
d8-Toluene	99.0	% Recovery			100	99.0	93 --- 108		
Dibromochloromethane	3.97	ug/L			4.00	99	76 --- 124		20
Dibromofluoromethane	98.0	% Recovery			100	98.0	93 --- 106		
Dibromomethane	3.64	ug/L			4.00	91	83 --- 115		20
Dichlorodifluoromethane	4.05	ug/L			4.00	101	78 --- 126		20
Diisopropyl ether	3.73	ug/L			4.00	93	75 --- 125		20
Ethylbenzene	4.02	ug/L			4.00	100	78 --- 125		20
Hexachlorobutadiene	3.68	ug/L			4.00	92	79 --- 123		20
Isopropylbenzene	3.95	ug/L			4.00	99	81 --- 124		20
m & p-Xylene	7.95	ug/L			8.00	99	80 --- 123		20
Methyl tert-butyl ether	3.61	ug/L			4.00	90	82 --- 116		20
Methylene chloride	4.08	ug/L			4.00	102	73 --- 128		20
n-Butylbenzene	3.88	ug/L			4.00	97	76 --- 127		20
n-Propylbenzene	4.15	ug/L			4.00	104	75 --- 129		20
Naphthalene	3.82	ug/L			4.00	96	64 --- 129		20
o-Xylene	3.89	ug/L			4.00	97	81 --- 121		20
p-Isopropyltoluene	3.97	ug/L			4.00	99	79 --- 126		20
sec-Butylbenzene	4.03	ug/L			4.00	101	76 --- 128		20
Styrene	3.88	ug/L			4.00	97	81 --- 122		20
tert-Butylbenzene	4.07	ug/L			4.00	102	76 --- 125		20
Tetrachloroethene	3.89	ug/L			4.00	97	82 --- 123		20
Tetrahydrofuran	36.1	ug/L			40.0	90	69 --- 122		20
Toluene	3.83	ug/L			4.00	96	82 --- 119		20
trans-1,2-Dichloroethene	3.96	ug/L			4.00	99	80 --- 122		20
trans-1,3-Dichloropropene	3.92	ug/L			4.00	98	83 --- 119		20
Trichloroethene	3.95	ug/L			4.00	99	82 --- 120		20
Trichlorofluoromethane	4.26	ug/L			4.00	106	78 --- 130		20
Vinyl acetate	36.2	ug/L			40.0	90	63 --- 136		20
Vinyl chloride	4.05	ug/L			4.00	101	73 --- 127		20

Method Blank Water

Analytical Run #:	180437	Analysis Date:	04/04/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	548974	Analysis Time:	18:50	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	101	% Recovery			100	101	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		.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	0.84	ug/L		U	0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	102	% Recovery			100	102	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 #:	180437	Analysis Date:	04/04/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	548974	Analysis Time:	18:50	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	100	% Recovery			100	100	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.014	ug/L		U	0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 160648
Client: TRC ENVIRONMENTAL

Print Date / Time: 03/26/2021 12:27
Received Date / Time / By: 03/26/2021 10:09 EKB

Project Name: RIPON FF/NN LANDFILL
Project Phase: RIPON, WI

Log-In Date / Time / By: 03/26/2021 10:43 EKB
Project #: 421748 PM: BMS

Coolers: 6679
Custody Seals Present : **Y**

Temperature: 2.0 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: FEDEX EXPRESS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 773265712684
Temp Blank Enclosed? **Y**

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

ONE CUSTODY SEAL (DATED 3-25-21 & SIGNED) WAS PRESENT AND INTACT UPON RECEIPT.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
546005 P-103D				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
546005 P-103D				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
546005 P-103D				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	(***H2SO4 PL***) = **1**		
546005 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
546007 P-107D				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
546007 P-107D				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
546007 P-107D				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	(***H2SO4 PL***) = **1**		
546007 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
546008 P-111D				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
546008 P-111D				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
546008 P-111D				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	(***H2SO4 PL***) = **1**		
546008 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
546009 P-113A				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
546009 P-113A				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
546009 P-113A				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	(***H2SO4 PL***) = **1**		
546009 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
546010 P-113B				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
546010 P-113B				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
546010 P-113B				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	(***H2SO4 PL***) = **1**		
546010 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
546011 P-114				
	UNPRES PL	1	/	Anions

Total # of Containers of Type (*UNPRES PL*) = 1

546011 P-114

HNO3	1	Y	/	ICP

Total # of Containers of Type (*HNO3*) = 1

546011 P-114

H2SO4 PL	1	Y	/	NO23

Total # of Containers of Type (*H2SO4 PL*) = 1

546011 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

546012 P-115

UNPRES PL	1		/	Anions

Total # of Containers of Type (*UNPRES PL*) = 1

546012 P-115

HNO3	1	Y	/	ICP

Total # of Containers of Type (*HNO3*) = 1

546012 P-115

H2SO4 PL	1	Y	/	NO23

Total # of Containers of Type (*H2SO4 PL*) = 1

546012 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

546013 P-116

UNPRES PL	1		/	Anions

Total # of Containers of Type (*UNPRES PL*) = 1

546013 P-116

HNO3	1	Y	/	ICP

Total # of Containers of Type (*HNO3*) = 1

546013 P-116

H2SO4 PL	1	Y	/	NO23

Total # of Containers of Type (*H2SO4 PL*) = 1

546013 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

546014 P-117

UNPRES PL	1		/	Anions

Total # of Containers of Type (*UNPRES PL*) = 1

546014 P-117

HNO3	1	Y	/	ICP

Total # of Containers of Type (*HNO3*) = 1

160648

546014	P-117					
		H2SO4 PL	1	Y	/	NO23
		Total # of Containers of Type	**(*H2SO4 PL*) =**	**1**		
546014	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
546015 P-118				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	**(*UNPRES PL*) =**	**1**	
546015 P-118				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	**(*HNO3*) =**	**1**	
546015 P-118				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	**(*H2SO4 PL*) =**	**1**	
546015 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
546016 MW-3A				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	**(*UNPRES PL*) =**	**1**	
546016 MW-3A				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	**(*HNO3*) =**	**1**	
546016 MW-3A				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	**(*H2SO4 PL*) =**	**1**	
546016 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
546017 MW-3B				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	**(*UNPRES PL*) =**	**1**	
546017 MW-3B				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	**(*HNO3*) =**	**1**	
546017 MW-3B				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	**(*H2SO4 PL*) =**	**1**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
546017 MW-3B				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type	(***VOA HCL***) = **3**		
546018 DUP-1				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type	(***UNPRES PL***) = **1**		
546018 DUP-1				
	HNO3	1	Y /	ICP
	Total # of Containers of Type	(***HNO3***) = **1**		
546018 DUP-1				
	H2SO4 PL	1	Y /	NO23
	Total # of Containers of Type	(***H2SO4 PL***) = **1**		
546018 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
546037 TRIP BLANK				
	Trip Blank	1	/	VOC
	Trip Blank	1	/	VOC
	Trip Blank	1	/	VOC
	Total # of Containers of Type	(***Trip Blank***) = **3**		

Condition Code	*Condition Description*
1	Sample Received OK

160648

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Company: TRC Environmental Corp.
Project Contact: Andrew Stehn
Telephone: 608-807-8112
Project Name: FF/NN Landfill
Project #: 421748
Location: Ripon, WI
Sampled By: Aaron Subbe

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

Folder #: 160648
Company: TRC ENVIRONMENTA
Project: RIPON SUPERFUND LF
Logged By: EKB PM: BM

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 164500

Report To:
EMAIL: astehne trccompanies.com
Company: TRC Environmental Corp
Address: 708 Heartland Trail, Suite 3000 Madison, WI 53717

Invoice To:*
EMAIL:
Company:
Address:

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

Client Special Instructions

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

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	VOCs 8260 C	Dissolved Mn	Sulfate	nitrate + nitrite	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
						Fill in Spaces with Bottles per Test							
3-25-21	750	GW	G		P-103D	Y	3	1	1	1			546001
3-25-21	840	GW	G		P-107D	Y	3	1	1	1			546007
3-25-21	940	GW	G		P-111D	Y	3	1	1	1			546008
3-25-21	1050	GW	G		P-113A	Y	3	1	1	1			546009
3-25-21	1135	GW	G		P-113B	Y	3	1	1	1			546010
3-24-21	1445	GW	G		P-114	Y	3	1	1	1			546011
3-24-21	1720	GW	G		P-115	Y	3	1	1	1			546012
3-24-21	1615	GW	G		P-116	Y	3	1	1	1			546013
3-25-21	1505	GW	G		P-117	Y	3	1	1	1			546014
3-25-21	1600	GW	G		P-118	Y	3	1	1	1			546015
3-25-21	1355	GW	G		MW-3A	Y	3	1	1	1			546016
3-25-21	1250	GW	G		MW-3B	Y	3	1	1	1			546017

Relinquished By:	Date/Time	Received By:	Date/Time
Aaron Subbe	3-25-21 / 1930	dlb	3-26-2021 10:09
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		dlb	3-26-21 10:43

Lab Use Only
Ice Present (Yes) No
Obs. Temp 1.4 IR Gun 28
Act. Temp 2.0 Cooler 6679

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Page 2 of 2

Company:

Project Contact:

Telephone:

Project Name: See page 1

Project #:

Location:

Sampled By:

CT LABORATORIES

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

Folder #: 160648
Company: TRC ENVIRONMENTA
Project: RIPON SUPERFUND LF
Logged By: EKB PM: BM

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO # 164500

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

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	VOCs 8260C	Dissolved Mn	Sulfate	nitrate + nitrite	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test						
3-24-21	-	GW	G		Dup-1	Y	3	1	1	1			546018
3-25-21	-		-		Trip Blank	N	3						546037

AS 3-25-21

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3-25-21 1930	elb	3-26-2021 10:04
Received by:	Date/Time	Received for Laboratory by:	Date/Time

Lab Use Only
Ice Present (Yes) No
Obs. Temp 1.6 IR Gun 28
Act. Temp 2.0 Cooler 667

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 1.6

Actual Temperature 2.0

IR Gun # 28

Initials elb

Date 3-26-21 Time 10:09

Cooler #: 6679

CUSTODY SEAL
DATE
SIGNATURE 3-25-21

QEC
Quality Environmental Containers
800-255-3950 • www.qecusa.com

ORIGIN ID:RRLA (262) 239 9649
AARON SOBBE
TRC
150 N PATRICK BLVD. SUITE 30
BROOKFIELD, WI 53045
UNITED STATES US

SHIP DATE: 25MAR21
ACTWGT: 40.00 LB
CAD: 110326482/INET4340

BILL SENDER

RECEIVING DEPT
CT LABORATORIES
1230 LANGE CT

BARABOO WI 53913
(608) 356-2760
INV
PO
REF 42174H 0000 0000 000001
DEPT

560J3/AC39/FE4A

FedEx Express

FRI - 26 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7732 6571 2684

55 LNRA

53913
WI-US MSN