Quarterly Progress Report

Second Quarter 2021 Reporting Period

November 2021

FF/NN Landfill NPL Site
Ripon, Wisconsin

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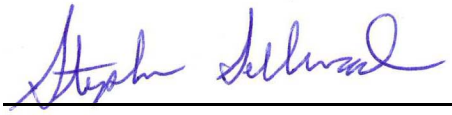

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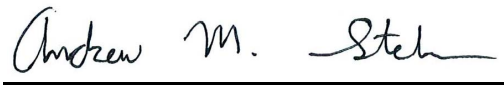

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1.0 Introduction

In April 2019, TRC was retained by the FF/NN Landfill Potentially Responsible Party (PRP) Group (Group) to conduct operations and maintenance (O&M) and quarterly monitoring activities at the FF/NN Landfill NPL Site (Site), in Ripon, Wisconsin (Figure 1). This Quarterly Progress Report presents site activities during the Second Quarter (Q2) 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 Q2 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:

- June 17 and 18, Q2 2021 monitoring event in accordance with the GMP (WDNR, 2013, 2017).
- June 21, 2021 annual landfill cap inspection.
- July 21, 2021, First Quarter 2021 Quarterly Progress Report Submitted to WDNR.

3.0 Landfill Site Inspections

The WDNR-approved Remedial Design requires annual inspections of the FF/NN Landfill cap. The annual landfill cap inspection was conducted by TRC on June 17, 2021. Overall, the cap was in good condition and no repairs were necessary. The vegetation density was good, and no evidence of erosion was observed. There was evidence of animal burrowing on the northeast side, but beyond the extents of the waste. All wells were noted to be in good condition. The landfill has a drainage layer constructed below the soil cover and above the landfill's LLDPE Geosynthetic membrane liner. This layer assists with conveying surface water to various outlet pipes along the perimeter of the landfill. Grading work completed in 2020 to assist in conveying stormwater and reducing ponding has established vegetation and appears to be conveying water as designed. A copy of the Cap Inspection Record is provided in Appendix A.

4.0 Summary of Observation and Monitoring Data

4.1 Water Elevation Measurements

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 to better evaluate groundwater quality at various depth intervals. Table 1 notes the grouping of wells in their respective layers.

In accordance with the GMP (WDNR 2013; 2017), groundwater elevations were measured at all monitoring wells associated with the Site on June 17, 2021. Field forms from the Q2 2021 measurement event are included in Appendix B. Elevations are summarized in Table 1. Groundwater elevations measured in Layers 1, 2, and 3 indicated a consistent flow direction compared with previous sampling events toward the south and southwest. Figures 1 through 3 depict the groundwater flow elevations and flow direction in Layers 1 through 3 during Q2 2021.

The estimated groundwater flow direction in Layer 4 for data collected in Q2 2021 is to the west as shown on Figure 4. 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 often toward the southeast. Conversations with Mr. Chris Liveris, Utility Manager for the City of Ripon, stated that Well #9 was in operation during the Q2 2021 sampling event, which indicates that pumping from Well #9 does not always result in southeast groundwater flow in Layer 4.

4.2 Groundwater Quality Monitoring

This subsection includes an evaluation of the groundwater quality for the Q2 2021 reporting period.

4.2.1 Second Quarter 2021

Groundwater samples were collected using low-flow sampling methods from 19 monitoring wells, one private well, and three leachate wells on June 17 and 18, 2021 by TRC. Groundwater samples were analyzed by CT Laboratories for volatile organic compounds (VOCs) (EPA Method 8260C for monitoring and leachate wells and EPA 524.2 for the private well), 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 forms are included in Appendix B and the laboratory analytical report is included in Appendix C. 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.

4.2.1.1 Volatile Organic Compound Parameters

In the 19 monitoring wells and one private well sampled during Q2 2021, vinyl chloride (VC) and trichloroethene (TCE) were the only VOCs detected at concentrations above the PAL and VC was

the only VOC detected at a concentration above the ES. The following summarizes the distribution of VOCs detected in each hydrostratigraphic unit:

- Four monitoring wells were sampled within Layer 1. TCE exceeded the PAL in the sample collected from monitoring well MW-103.
- Three monitoring wells were sampled within Layer 2. VC exceeded the ES in the sample collected from monitoring well P-107.
- 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 the sample collected from well P-118. Figure 5 shows the VC isoconcentration map for Layer 3.
- Three monitoring wells were sampled in Layer 4. VC exceeded the ES in the sample collected from P-107D. This detection is consistent with historical concentrations detected in samples from this well.
- Other VOC detections were reported at concentrations below their respective PALs and are summarized in Table 3.
- Trip blanks and method blanks were analyzed during the Q2 2021 sampling event and results indicated:
  - Acetone and methylene chloride were detected in the trip blank. Based on these detections, all acetone and methylene chloride detections at monitoring wells were flagged with the "u" qualifier indicating the analyte concentration was non-detect.
- In addition to the 20 wells, three leachate collection wells were sampled to evaluate constituent concentrations in the leachate. CVOCs and non-chlorinated VOCs were detected above the method detection limit in all samples and results are summarized in Table 4.

4.2.1.2 Vinyl Chloride Trend Analysis Discussion

A trend analysis was completed for VC data from plume centerline wells that had at least 50% detections or at least eight detections total over the monitoring history. A trend analysis was only completed for VC per correspondence with the WDNR. For the purpose of this analysis, the plume centerline wells included: MW-103, MW-107, and MW-111 in Layer 1; P-103, P-107, and P-111 in Layer 2; P-103D, P-111D, P-114, P-117, and P-118 in Layer 3; and P-107D in Layer 4. A total of nine wells met these criteria for VC. The trend analysis was completed using the ProUCL software using the Mann-Kendall Trend Test with the default confidence interval of 0.95 and level of significance of 0.05. The detection limit was used to represent nondetect results and data from the entire monitoring history were used for the trend analysis. Results for the VC data analyzed indicated decreasing trends or no trend (meaning insufficient statistical evidence of a significant trend at the specified level of significance). Trend analysis results are summarized in Table 5 and concentration-time graphs for datasets included in this trend analysis are shown in Appendix D.

4.2.1.3 Monitoring Natural Attenuation Parameters

Groundwater geochemistry gives evidence of bioactivity in an aquifer and is considered a line of evidence for the breakdown of hydrocarbons by bacteria. Inorganic constituents such as dissolved oxygen, nitrate, manganese, iron, and sulfate can be used by bacteria as electron acceptors and their concentrations are indicators of biological activity and redox conditions. These parameters are included in the analytical program to document bioactivity in the aquifer. Concentrations of these constituents are compared to health and aesthetic-based standards as listed in WDNR WAC NR 140 for illustrative purposes, but these constituents are not considered constituents of concern. Table 3 includes the results of all MNA parameters measured during Q2 2021.

Manganese was reported above the laboratory method detection limit in all the wells sampled for this constituent during the Q2 2021 sampling event and concentrations ranged from 2 ug/L at MW-103 to 418 ug/L at MW-003A.

Sulfate was detected in all the monitoring wells sampled for sulfate. Sulfate concentrations were below the PAL and ranged from 13 mg/L at P-113A to 89 mg/L at MW-103.

Nitrogen ions (nitrate plus nitrite) were detected in two monitoring wells sampled during Q2 2021. The concentration at MW-112 was 0.77 mg/L and the concentration at MW-103 was 14 mg/L. Samples collected from Layers 2, 3 and 4 did not have detected concentrations. The lack of nitrate at detectable concentrations in the deeper groundwater layers may indicate nitrate reduction from microbial activity.

The presence of dissolved manganese, the general lack of nitrate, and the generally low sulfate concentrations in most site wells are lines of evidence supporting that conditions favorable to reductive dechlorination of CVOCs are present at the site.

4.3 Landfill Gas Extraction System Operations

The landfill gas extraction system (GES) has been operational since 2005 (GeoTrans, 2005). Landfill gas is extracted from gas vent GV-6 and the three deeper leachate collection wells (LC-1, LC-2, and LC-3). On September 5, 2019, GV-4 was reconnected to the system. The other gas vents have remained closed to prevent oxygen levels from increasing above 5%. This subsection includes an evaluation of landfill gas monitoring results and a discussion of system repairs at the Site during the Q2 2021. Tables 6 and 7 summarize the laboratory and field data results of the landfill gas monitoring completed during this reporting period.

4.3.1 Landfill Gas Analytical Results

During the Q2 2021 Monitoring Event, landfill gas samples were collected on June 17, 2021, and were analyzed for VOCs using EPA method TO-15. Samples were collected from leachate collection wells: LC-1, LC-2, LC-3; gas vent: GV-6; and gas probe: GP-3. Table 6 summarizes the landfill gas analytical sample results from the June 2021 monitoring event. Detected VOC concentrations are generally consistent with previous sampling events. Fluctuation in gas concentrations are expected due to waste heterogeneity, variable degradation of the waste, changes in atmospheric conditions and operation of the GES.

4.3.2 Landfill Gas Extraction System Troubleshooting and Repairs

There were no shutdowns or repairs of the landfill GES during Q2 2021.

4.3.3 Landfill Gas Measurements

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

4.3.3.1 Gas Extraction Well Monitoring

TRC or the City of Ripon personnel were onsite on a biweekly basis while the system was operating between April 9, and June 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 is included in Table 7.

4.3.3.2 Gas Probe Monitoring

TRC personnel were onsite on June 17, 2021 to collect the second quarterly round of gas measurements from gas probes installed around the landfill and results are summarized in Table 7. 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 surrounding the landfill. As noted above, gas probes GP-1 and GP-2 were also monitored during the biweekly site visit. Overall, during Q2 2021, methane was only observed in GP-1 in June 2021 at a low concentration (approximately 1.0% methane by volume). In review of historical operations, GP-1 has periodically shown low detections of methane. Methane has not been detected at any of the other gas probes. Based on the results of the gas probe monitoring during Q2 2021, current system operations are controlling offsite methane migration.

5.0 Institutional Control Documentation

This section documents the protectiveness of institutional controls (ICs) as required in the February 24, 2011, Institutional Control Study/Plan (IC Plan) prepared by Tetra Tech GEO. According to the IC Plan, the initial Record of Decision (ROD) for the FF/NN Landfill (EPA 1996) called for the placement of a deed restriction that prohibited disturbing the landfill cap (except for maintenance) and that WAC NR 812.08 forbids the construction of a potable or non-potable water supply well within 1,200 feet of the landfill. In 2004, the WDNR imposed a well advisory area that specifies potable wells must be constructed or reconstructed to more stringent standards. The Second 5-Year Review completed by the U.S. Environmental Protection Agency (USEPA) in 2006 found that the ICs at the landfill were protective of the site remedy, but for properties near the landfill, the IC mechanisms were not sufficient to protect against human and environmental exposures. Identification of enforceable legal and administrative controls were required by USEPA to provide the mechanisms necessary to appropriately protect the site remedies and to

minimize the potential for human and environmental exposure to site contaminants. The 2011 IC Study / Plan addressed the USEPA concerns and identified four types of ICs: Government Controls, Proprietary Controls, Enforcement Tools, and Informational Devices. This section documents the verification of IC effectiveness since the last time this review occurred in Q2 2020 (reporting period).

5.1 Governmental Controls

5.1.1 Landfill Cap

WAC NR 504.07(9) prohibits the following: 1) use of the waste disposal area for agricultural purposes, 2) establishment or construction of any buildings over the waste disposal area, or 3) excavation of the final cover or any waste materials. TRC confirmed that none of these activities occurred during this reporting period.

5.1.2 Landfill Setback

WAC NR 812.08(4)(g)1 requires a separation distance of 1,200 feet between the landfill and any new potable or nonpotable water supply wells, reservoirs, or springs. Based on TRC review of information detailed in Section 5.4.2 below, no new water supply wells, reservoirs, or springs have been noted during this reporting period.

5.1.3 Municipal Water Connection Within City Limits

Chapter 10.24 of the Ripon Municipal Code (RMC) requires all private water supply wells located on property served by water utility within the City of Ripon are to be abandoned in accordance with the terms of this chapter and WAC NR 812 no later than one year from the date of connection to the municipal water system unless a well operation permit has been obtained.

5.2 Proprietary Controls

5.2.1 Municipal Water Connection Outside the City Limits

In 2002, municipal water was extended outside the City limits to residents located along South Koro Road and Charles Street in the Town of Ripon. As part of this agreement, homeowners that connected to municipal water were required to have their water supply well abandoned or converted to a groundwater monitoring well. The wells located at the Gaastra and Perry residences at W14297 Charles Street and W14298 Charles Street, respectively, were connected to public water in 2015. TRC has not been able to verify that these two wells are abandoned. Besides this data gap, TRC did not observe additional wells within this area that are not used as part of the monitoring well network within this reporting period.

5.3 Enforcement Tools

5.3.1 Record of Decision

The 1996 U.S. EPA ROD contains governmental controls as “applicable or relevant and appropriate requirements” (ARARs) that restrict land and groundwater use, set cleanup standards, and incorporate the IC requirements. To date, these requirements are being met

including ongoing quarterly groundwater monitoring, annual sampling of private drinking water supply wells within the WDNR Well Advisory Areas, monitoring of the gas probes on a regular basis, maintenance of the landfill cap as needed, active deed restriction prohibiting landfill cap disturbance except for maintenance, maintenance of fencing, and five year reviews. The completion of the USEPA Fifth Five Year Review for the Site was in progress during the Q2 2021 reporting period.

5.4 Informational Devices

5.4.1 Deed Restrictions

The deed restriction filed in 1997 lists the limitations and restrictive covenants for the landfill property including:

1. No water wells other than groundwater monitoring wells or leachate extraction wells are to be located on the landfill property.

2. Certain activities are prohibited unless written prior approval from the WDNR is granted including excavation of the landfill cover or wastes, grading, or filling on the capped area except as needed to maintain the cover, use of the waste disposal area for agricultural purposes, and construction of buildings or other structures over the waste disposal area.

3. Property owner shall not use the landfill area or take any action that may damage or impair the effectiveness of the remedial action components constructed for or installed pursuant to the ROD or interfere with performance of the remedial work required by the ROD.

The City of Ripon and the Town of Ripon are both members of the PRP group. Since February 2004, the City and Town of Ripon are the owners and possess control over the landfill property. No changes to these deed restrictions were noted within this reporting period and no actions were performed in violation to these limitations and restrictive covenants within this reporting period.

5.4.2 WDNR Well Advisory Area

Through two memorandums dated July 15, 2004 to Wisconsin Licensed well drillers, it was communicated that pursuant to WAC NR 812.12(3), a “Special Well Casing Pipe Depth Area” exists for an area surrounding and containing the landfill and covers approximately 1.5 square miles. This well advisory area is subdivided into two segments in the IC plan, an “Outer Area” located within Sections 7, 8, 17, and 18, T16N, R14E, Town of Ripon, Fond du Lac and an “Inner Area” located within Sections 7 and 18, T16N, R14E. Refer to Section 3.4.4.2 of the 2011 IC Plan for details on the restrictions in the Well Advisory Area. During this reporting period, TRC confirmed that the Well Advisory remains in place, and based on review of the WDNR Well Driller Viewer (WDNR, 2021), no wells have been installed in any parcel included in the Inner or Outer Areas since 2012.

5.4.3 Town of Ripon Building Permit

Section 13.2 of Article XIII of the Town of Ripon zoning ordinance requires a permit for any building structure or mobile home. In 2011 the PRP Group requested to be notified if an application for a building permit was received for any parcel with in the south ½ of Section 7 or the north ½ of Section 18, T16N, R14E. No notifications have been received by the PRP group from the Town of Ripon during this reporting period. TRC contacted Mr. Barry VandeBrink, Chairman of the Town of Ripon, and the Town Clerk to verify whether any building permits were received within this reporting period. As of the date of this report, no response has been received.

5.4.4 Town of Ripon Special Use Permit

Sections 6.4 and 11.2 of the Town of Ripon zoning ordinance require a permit when requesting a use not permitted by an Ordinance in a Zoning District. In 2011 the PRP Group requested to be notified if an application for special use was received for any parcel within Sections 7, 8, 17, or 18 T16N, R14E that involves surface water or groundwater dewatering activities such as mineral extraction operations. No notifications have been received by the PRP group from the Town of Ripon during this reporting period. TRC contacted Mr. Barry VandeBrink, Chairman of the Town of Ripon, and the Town Clerk to verify whether any special use applications noted above were received within this reporting period. As of the date of this report, no response has been received.

5.4.5 WPDES Permit for Non-Metallic Mining Operations

Submittal of a completed Notice of Intent (NOI) Information Summary for Nonmetallic Mining Operations (Form 3400-179) to the WDNR is mandatory for any owner /operator of a nonmetallic mining operation that must apply for a permit in accordance with 40 CFR Part 122 or Chapter 283, WI Statues. TRC reviewed the Wisconsin Pollutant Discharge Elimination System (WPDES) Permits on Public Notice webpage and did not identify permits submitted within the Advisory Area extent. In addition, TRC contacted Mr. David Haas, Wastewater Specialist with the WDNR to confirm whether any WPDES NOIs or permits were received for any parcel within Section 7, 8, 17, or 18 T16N, R14E. As of the date of this report, no response has been received.

In addition, the Northeast Asphalt, Inc. (NEA), located east of the FF/NN Landfill, has a general permit. Events of extensive dewatering in 2002 and 2008 led to the WDNR notifying NEA that by pumping the surface water from their on-site pit at high levels over a period of time and altering the groundwater flow, they could become part of the PRP Group. TRC requested copies of the discharge monitoring report (DMR) for the NEA Ripon Gravel Site, Permit No. WI-0046515-04. According to Mr. Haas the 2020 Annual DMR for this Site was due by February 15, 2021. A follow up with Mr. Haas was completed in reference to the 2020 Annual DMR during this reporting period but no response has been received.

5.4.6 GIS Registry

The FF/NN Landfill is identified on the WDNR GIS Registry with continuing obligations (CO). The COs noted include appropriate management of contaminated soils, WDNR approval if a water supply well is constructed or reconstructed, and maintenance of a cap over the contaminated area. The GIS registry depicts the extent of the landfill cover but does not currently depict the extent of the groundwater plume. The GIS Registry listing includes a link to the Ripon City Landfill EPA Superfund NPL / Superfund Alternative Approach (SAA) Website.

6.0 References

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

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

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

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

WDNR. 2021. Wisconsin Department of Natural Resources. "Well Driller Viewer." https://dnrmaps.wi.gov/H5/?viewer=Well_Driller_Viewer. Accessed October 27, 2021.

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

Well Name	GW Layer	TOC Elevation (Feet AMSL)	Q2 Depth to Water (Feet) 6/17/2021	Q2 GW Elevation (Feet AMSL) 6/17/2021
MW-101	1	884.73	61.18	823.55
MW-102	1	842.90	19.04	823.86
MW-103	1	872.30	50.63	821.67
MW-104	1	875.20	51.21	823.99
MW-106	1	878.75	54.83	823.92
MW-107	1	871.69	51.29	820.40
MW-108	1	845.08	25.71	819.37
MW-111	1	856.09	37.48	818.61
MW-112	1	874.70	53.76	820.94
P-101	2	885.39	61.74	823.65
P-102	2	842.85	18.85	824.00
P-103	2	872.74	49.29	823.45
P-104	2	875.40	51.81	823.59
P-106	2	878.80	54.93	823.87
P-107	2	871.33	50.94	820.39
P-108	2	845.48	23.70	821.78
P-111	2	856.28	37.54	818.74
MW-003B	3	850.89	29.76	821.13
P-103D	3	872.91	50.34	822.57
P-111D	3	855.56	35.16	820.40
P-113B	3	833.16	13.60	819.56
P-114	3	839.36	19.86	819.50
P-115 (WIESE)	3	842.67	23.08	819.59
P-116 (HADEL)	3	845.86	27.05	818.81
P-117	3	833.96	15.98	817.98
P-118	3	826.74	8.98	817.76
MW-003A	4	850.60	30.68	819.92
P-107D	4	871.90	52.37	819.53
P-113A	4	833.16	14.05	819.11

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

Created by: P. Popp, 8/4/2021
Checked by: S. Sellwood, 10/19/2021

Table 2: Parameters That Exceed Current NR 140 Standards
FF/NN Landfill
Ripon, Wisconsin
Second Quarter 2021

Chemical Parameter	Units	NR 140 PAL	NR 140 ES	Well ID	Date	Result	Data Flags	Exceedance
Manganese, dissolved	µg/L	25	50	MW-003A	6/17/2021	**418**		ES
				MW-003B	6/18/2021	**73.3**		ES
				MW-112	6/18/2021	**321**		ES
				P-103	6/18/2021	**78.7**		ES
				P-103D	6/18/2021	**82**		ES
				P-107	6/18/2021	**88.3**		ES
				P-107D	6/17/2021	**184**		ES
				P-111D	6/17/2021	*30.5*		PAL
				P-113B	6/17/2021	*36*		PAL
				P-114	6/17/2021	**59.4**		ES
				P-114 DUP	6/17/2021	**58.6**		ES
				P-115 (WIESE)	6/17/2021	**109**		ES
				P-116 (HADEL)	6/17/2021	**71.7**		ES
				P-117	6/18/2021	**199**		ES
				P-118	6/18/2021	**62.7**		ES
Nitrogen, nitrate + nitrite, total	mg/L	2	10	MW-103	6/18/2021	**14**		ES
Trichloroethene	µg/L	0.5	5	MW-103	6/18/2021	*1.1*		PAL
Vinyl chloride	µg/L	0.02	0.2	P-103D	6/18/2021	**0.24**		ES
				P-107	6/18/2021	**0.74**		ES
				P-107D	6/17/2021	**5.4**		ES
				P-111D	6/17/2021	**3.2**		ES
				P-114	6/17/2021	**8**		ES
				P-114 DUP	6/17/2021	**7.7**		ES
				P-115 (WIESE)	6/17/2021	**0.53**		ES
				P-117	6/18/2021	**1.1**		ES
				P-118	6/18/2021	*0.087*	J	PAL

Notes:

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

Created by: P. Popp, 8/3/2021
Checked by: A. Sobbe 8/24/2021
Updated by A. Stehn 9/27/2021
Checked by: A. Enright 9/27/2021

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

Parameter	Units	NR 140 ES	NR 140 PAL	MW-003A 6/17/2021 1017608	MW-003B 6/18/2021 1017478	MW-103 6/18/2021 1017470	MW-104 6/18/2021 1017471	MW-107 6/18/2021 1017472	MW-112 6/18/2021 1017473	P-103 6/18/2021 1017474	P-103D 6/18/2021 1017479	P-106 6/18/2021 1017476	P-107 6/18/2021 1017477	P-107D 6/17/2021 1017617	P-111D 6/17/2021 1017480
Field Parameters															
pH, field	SU	--	--	7.23	7.44	7.28	6.77	7.27	7.00	7.26	7.31	7.39	7.15	7.37	7.44
Conductance, specific	µmhos/cm	--	--	564	687.49	481	1179.5	991.38	864.44	739	806	680	810.64	642	891
ORP	mV	--	--	-5.6	-96.4	111.6	-66.3	55.9	-38.4	-91.1	-105.4	-81.1	-8.0	-29.6	-101.6
Oxygen, dissolved	mg/L	--	--	0.20	0.21	7.15	4.17	11.55	2.38	1.06	0.85	1.25	1.28	2.65	0.72
Temperature	Deg C	--	--	11.78	11.3	21.7	20.51	14.59	14.66	12.0	11.1	10.8	13.05	10.2	11.0
Turbidity, field	--	--	--	NONE	NONE	SLIGHT	MOD	NM	SLIGHT	NONE	NONE	NONE	SLIGHT	NONE	NONE
Color, field	--	--	--	NONE	NONE	NONE	GREY	NM	LT BRWN	NONE	NONE	NONE	RUST	NONE	NONE
Odor, field	--	--	--	NONE	NONE	NONE	SL LEACH	NM	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Inorganic Analytes															
Nitrogen, nitrate + nitrite, total	mg/L	10	2	< 0.12	< 0.12	**14**	NA	NA	0.77	< 0.12	< 0.12	NA	< 0.12	< 0.12	< 0.12
Sulfate, total	mg/L	250	125	21	58	89	NA	NA	56	57	70	NA	87	29	58
Manganese, dissolved	µg/L	50	25	**418**	**73.3**	2.0 J	NA	NA	**321**	**78.7**	**82**	NA	**88.3**	**184**	*30.5*
Organic Analytes															
1,4-Dichlorobenzene	µg/L	75	15	< 0.017	< 0.017	< 0.017	1.7	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Acetone	µg/L	9000	1800	< 0.84	< 0.84	< 0.84	1.00 Ju	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	0.053 J	< 0.022	< 0.022	< 0.022	0.032 J	< 0.022	< 0.022	< 0.022	< 0.022
Carbon disulfide	µg/L	1000	200	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chlorobenzene	µg/L	100	20	< 0.013	< 0.013	< 0.013	3.9	< 0.013	0.083 J	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Chloroethane	µg/L	400	80	< 0.4	< 0.4	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	1.3 J	0.76 J
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	< 0.023	0.13	0.056 J	< 0.023	0.059 J	< 0.023	0.31	< 0.023	0.27	1.5	3.3
di-Isopropyl ether	µg/L	--	--	< 0.02	< 0.02	< 0.02	0.038 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Isopropylbenzene	µg/L	--	--	< 0.014	< 0.014	< 0.014	0.16	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.090	< 0.09	< 0.09	< 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	0.066 J	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014
sec-Butylbenzene	µg/L	--	--	< 0.012	< 0.012	< 0.012	0.078 J	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
Tetrachloroethene	µg/L	5	0.5	< 0.028	< 0.028	0.24	< 0.028	< 0.028	0.084 J	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	*1.1*	< 0.022	< 0.022	0.3	< 0.022	0.075 J	0.14	0.084 J	0.059 J	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	**0.24**	< 0.019	**0.74**	**5.4**	**3.2**

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. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
8. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
9. **BOLD = Exceedance (or potential exceedance if J- or B-flagged) of the NR 140, WAC ES.**
10. *Italics = Exceedance (or potential exceedance if J- or B-flagged) of the NR 140, WAC PAL.*
11. ORP - Oxidation Reduction Potential
12. NM = Not Measured
13. NA = Not Analyzed
14. J = Reported concentration is estimated, between the Limit of Detection (LOD) and the Limit Of Quantitation (LOQ)
15. u = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.

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

Parameter	Units	NR 140 ES	NR 140 PAL	P-113A 6/17/2021 1017609	P-113B 6/17/2021 1017481	P-114 6/17/2021 1017482	P-114 DUP 6/17/2021 1017614	P-115 (WIESE) 6/17/2021 1017483	P-116 (HADEL) 6/17/2021 1017484	P-117 6/18/2021 1017485	P-118 6/18/2021 1017486	ROHDE 6/17/2021 1017607	TRIP BLANK 6/18/2021 1017613
Field Parameters													
pH, field	SU	--	--	7.34	7.14	7.49	NM	7.53	7.56	7.30	7.44	7.12	NM
Conductance, specific	µmhos/cm	--	--	581	701	812	NM	647	546	762.91	601.41	594	NM
ORP	mV	--	--	-13.2	-61.1	-108.5	NM	-105.3	6.7	-46.2	-51.0	28.0	NM
Oxygen, dissolved	mg/L	--	--	0.91	1.39	0.77	NM	0.82	0.90	0.28	0.65	2.72	NM
Temperature	Deg C	--	--	11.2	9.9	10.9	NM	10.3	11.2	11.28	11.78	17.34	NM
Turbidity, field	--	--	--	NONE	NONE	MOD	NM	NONE	SLIGHT	NM	NONE	NM	NM
Color, field	--	--	--	NONE	NONE	NONE	NM	NONE	NONE	NONE	NONE	NM	NM
Odor, field	--	--	--	NONE	NONE	NONE	NM	NONE	NONE	NONE	NONE	NM	NM
Inorganic Analytes													
Nitrogen, nitrate + nitrite, total	mg/L	10	2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA
Sulfate, total	mg/L	250	125	13	74	65	65	35	14	58	30	NA	NA
Manganese, dissolved	µg/L	50	25	12.3	*36*	**59.4**	**58.6**	**109**	**71.7**	**199**	**62.7**	NA	NA
Organic Analytes													
1,4-Dichlorobenzene	µg/L	75	15	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.29	< 0.017
Acetone	µg/L	9000	1800	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	NA	2.0 J
Benzene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	0.022 J	< 0.022	< 0.26	< 0.022
Carbon disulfide	µg/L	1000	200	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.12 J	NA	< 0.11
Chlorobenzene	µg/L	100	20	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.25	< 0.013
Chloroethane	µg/L	400	80	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.3	< 0.4
cis-1,2-Dichloroethene	µg/L	70	7	< 0.023	< 0.023	1.9	1.8	0.21	< 0.023	0.75	< 0.023	< 0.28	< 0.023
di-Isopropyl ether	µg/L	--	--	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	NA	< 0.02
Isopropylbenzene	µg/L	--	--	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.29	< 0.014
Methylene chloride	µg/L	5	0.5	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.3	0.25 J
Methyl-tert-butyl-ether	µg/L	60	12	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.26	< 0.014
sec-Butylbenzene	µg/L	--	--	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.26	< 0.012
Tetrachloroethene	µg/L	5	0.5	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.26	< 0.028
Trichloroethene	µg/L	5	0.5	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.3	< 0.022
Vinyl chloride	µg/L	0.2	0.02	< 0.019	< 0.019	**8**	**7.7**	**0.53**	< 0.019	**1.1**	*0.087 J*	< 0.17	< 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. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
8. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
9. **BOLD = Exceedance (or potential exceedance if J- or B-flagged) of the NR 140, WAC ES.**
10. *Italics = Exceedance (or potential exceedance if J- or B-flagged) of the NR 140, WAC PAL.*
11. ORP - Oxidation Reduction Potential
12. NM = Not Measured
13. NA = Not Analyzed
14. J = Reported concentration is estimated, between the Limit of Detection (LOD) and the Limit Of Quantitation (LOQ)
15. u = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.

Created by: P. Popp, 8/9/2021
Checked by: A. Sobbe, 8/24/2021

Table 4: Detected Parameters in Leachate
FF/NN Landfill
Ripon, Wisconsin
Second Quarter 2021

Parameter	Units	LC-1 6/18/2021 1017610	LC-2 6/18/2021 1017611	LC-3 6/18/2021 1017612
1,2,4-Trimethylbenzene	µg/L	50	73	< 2.9
1,3,5-Trimethylbenzene	µg/L	18	12	< 2.7
1,4-Dichlorobenzene	µg/L	< 6	15	< 3
2-Butanone	µg/L	< 52	< 26	28 J
Acetone	µg/L	< 80	< 40	66 Ju
Benzene	µg/L	< 8	12 J	< 4
Carbon disulfide	µg/L	< 12	< 6	7.6 J
Chlorobenzene	µg/L	6 J	46	< 3
Chloroethane	µg/L	< 10	< 5	< 5
cis-1,2-Dichloroethene	µg/L	< 6	< 3	12
di-Isopropyl ether	µg/L	< 8	< 4	< 4
Ethylbenzene	µg/L	17 J	13	4 J
Isopropylbenzene	µg/L	< 6	9.7 J	< 3
Methylene chloride	µg/L	19 Ju	8.8 Ju	9.8 Ju
Methyl-tert-butyl-ether	µg/L	< 6	< 3	< 3
n-Propylbenzene	µg/L	< 6	9.6 J	< 3
sec-Butylbenzene	µg/L	< 8	< 4	< 4
tert-Butylbenzene	µg/L	< 8	11 J	< 4
Tetrachloroethene	µg/L	< 5.4	< 2.7	< 2.7
Tetrahydrofuran	µg/L	200	230	43 J
Toluene	µg/L	< 4.2	< 2.1	2.4 J
Trichloroethene	µg/L	< 6	< 3	< 3
Vinyl chloride	µg/L	< 2.8	< 1.4	< 1.4
Xylene, M + P	µg/L	120	330	7.6 J
Xylene, O	µg/L	9 J	< 2.6	< 2.6

Notes:

1. µg/l = micrograms per liter (ppb).
2. J = Reported concentration is estimated, between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).
3. u = Result is noted at a comparable concentration in an associated blank and the sample concentration was flagged during data review as non-detect.

Created by: P. Popp 8/9/2021
Checked by: A. Sobbe 8/24/2021

Table 5: Vinyl Chloride Concentration Mann-Kendall Trend Test Results
FF/NN Landfill
Ripon, Wisconsin
Second Quarter 2021

	Data Summary					Mann-Kendall Trend Test Results
	# Detections that attain or exceed NR 140 PAL	# Detections that attain or exceed NR 140 ES	# Detections	# Samples	% Detections	Confidence Coefficient = 0.95, Level of Significance = 0.05
VC						
MW-103	15	15	15	44	34%	Decrease
P-103	20	16	20	47	43%	Decrease
P-103D	37	35	37	54	69%	Decrease
P-107	32	32	32	38	84%	Decrease
P-107D	65	65	65	67	97%	No trend
P-111D	65	65	65	65	100%	Decrease
P-114	61	61	61	62	98%	No trend
P-117	18	18	18	18	100%	Decrease
P-118	10	0	10	15	67%	No trend

Notes:

1. Trend analysis was completed for vinyl chloride data from plume centerline wells that had at least 50% detections or at least eight detections total for the given parameter over the monitoring history. Nondetect results were represented with the detection limit.
2. No trend = insufficient statistical evidence of a significant trend at the specified level of significance.

Prepared by: L. Auner, 9/8/2021
Data summary checked by: A. Enright, 9/15/2021
Trend test results checked by: J. Peterson, 9/16/2021

Table 6: Detected Parameters in Air Samples
FF/NN Landfill
Ripon, Wisconsin
Second Quarter 2021

Parameter	Units	GP-03 6/17/2021 P2103333-001	GV-06 6/17/2021 P2103333-004	LC-1 6/17/2021 P2103333-003	LC-2 6/17/2021 P2103333-005	LC-3 6/17/2021 P2103333-002
1,1,1-Trichloroethane	ppbV	< 0.45	0.53	< 0.44	< 0.52	< 0.5
1,1-Dichloroethane	ppbV	< 0.63	3.1	< 0.61	< 0.73	< 0.7
1,2,4-Trimethylbenzene	ppbV	< 0.5	1.2	< 0.48	< 0.58	< 0.55
1,3,5-Trimethylbenzene	ppbV	< 0.51	1.6	< 0.49	< 0.59	< 0.56
1,4-Dichlorobenzene	ppbV	< 0.41	0.59	< 0.4	< 0.48	< 0.45
1-Ethyl-4-methylbenzene	ppbV	< 0.51	0.75	< 0.49	< 0.59	< 0.56
2-Butanone	ppbV	1.7	20	2.0	2.2	< 1.8
Acetone	ppbV	< 10	400	14	18	< 11
alpha-Pinene	ppbV	0.80	3.6	1.1	1.4	0.77
Benzene	ppbV	< 0.77	6.7	< 0.74	< 0.9	< 0.85
Carbon disulfide	ppbV	< 1.5	2.2	1.7	< 1.8	< 1.7
Chlorobenzene	ppbV	< 0.54	8.9	< 0.52	< 0.62	< 0.59
Chloroethane	ppbV	< 0.94	15	< 0.9	< 1.1	< 1
cis-1,2-Dichloroethene	ppbV	0.78	< 0.65	< 0.6	< 0.72	< 0.69
Cyclohexane	ppbV	< 1.4	36	< 1.3	< 1.6	< 1.5
Dichlorodifluoromethane	ppbV	1.6	49	0.49	< 0.58	< 0.55
Dichlorotetrafluoroethane	ppbV	< 0.35	36	< 0.34	< 0.41	< 0.39
D-Limonene Gas	ppbV	0.83	< 0.46	0.93	1.1	0.94
Ethanol Gas	ppbV	13	17	< 13	< 15	< 15
Ethyl acetate	ppbV	4.5	< 1.4	18	5.3	7.3
Ethylbenzene	ppbV	< 0.57	16	< 0.55	< 0.66	< 0.63
Fluorotrichloromethane	ppbV	0.44	2.5	< 0.42	< 0.5	< 0.47
Heptane	ppbV	< 0.6	40	< 0.58	< 0.7	< 0.66
Isopropanol	ppbV	< 1.9	86	< 1.9	< 2.2	< 2.1
Isopropylbenzene	ppbV	< 0.5	1.9	< 0.48	< 0.58	< 0.55
n-Hexane	ppbV	< 0.7	90	< 0.68	< 0.81	< 0.77
n-Nonane	ppbV	< 0.48	15	< 0.46	0.67	< 0.53
n-Octane	ppbV	< 0.53	17	< 0.51	< 0.61	< 0.58
Propylene	ppbV	< 1.4	200	< 1.4	1.8	< 1.6
Styrene	ppbV	0.95	0.68	0.66	0.90	1.3
Tetrachloroethene	ppbV	4.7	0.54	< 0.35	< 0.42	< 0.4
Tetrahydrofuran	ppbV	< 1.6	2.6	< 1.6	< 1.9	< 1.8
Toluene	ppbV	< 0.66	4.7	1.3	1.2	0.89
Trichloroethene	ppbV	4.9	0.64	< 0.43	< 0.52	< 0.5
Vinyl chloride	ppbV	< 0.99	1.5	< 0.95	< 1.1	< 1.1
Xylene, M + P	ppbV	< 1.1	30	< 1.1	2.4	< 1.2
Xylene, O	ppbV	0.84	4.2	0.62	1.2	0.69

Notes:

1. ppbV = part per billion Volume = nL/L.

Created by: P. Popp, 8/9/2021
Checked by: A. Sobbe, 8/24/2021

Table 7: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Second Quarter 2021

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
Background	13:30	4/9/2021	0.0	0.0	20.9	79.1	
	13:10	4/20/2021	0.0	0.0	20.9	79.1	
	13:12	5/6/2021	0.0	0.0	20.9	79.1	
	13:28	5/20/2021	0.0	0.0	20.9	79.1	
	13:36	6/4/2021	0.0	0.0	20.9	79.1	
	11:25	6/17/2021	0.0	0.0	20.8	79.2	
LC-1	13:47	4/9/2021	32.0	25.0	0.0	43.0	
	13:31	4/20/2021	26.5	21.4	3.0	49.1	
	13:31	5/6/2021	28.5	22.0	2.6	46.9	
	13:49	5/20/2021	31.5	23.0	0.3	45.2	
	14:00	6/4/2021	32.5	24.4	0.0	43.1	
	12:00	6/17/2021	34.4	23.8	0.7	41.1	
LC-2	13:55	4/9/2021	28.0	19.8	4.1	48.1	
	13:42	4/20/2021	27.5	21.6	2.6	48.3	
	13:39	5/6/2021	24.0	20.4	3.2	52.4	
	14:00	5/20/2021	24.5	21.2	2.8	51.5	
	14:09	6/4/2021	23.0	21.2	1.4	54.4	
	11:47	6/17/2021	26.1	22.1	0.9	50.9	
LC-3	13:53	4/9/2021	20.0	20.4	3.3	56.3	
	13:36	4/20/2021	17.0	19.0	4.8	59.2	
	13:36	5/6/2021	16.5	17.8	5.2	60.5	
	13:55	5/20/2021	16.0	17.6	5.6	60.8	
	14:04	6/4/2021	16.5	18.6	4.3	60.6	
	11:58	6/17/2021	19.7	19.9	3.4	57.0	
GV-4	13:45	4/9/2021	0.0	0.0	20.9	79.1	
	13:27	4/20/2021	0.0	0.0	20.9	79.1	
	13:28	5/6/2021	0.6	1.2	18.8	79.5	
	13:47	5/20/2021	0.0	0.0	20.9	79.1	
	13:57	6/4/2021	0.0	0.0	20.9	79.1	
	12:09	6/17/2021	0.0	0.0	20.8	79.2	
GV-6	13:49	4/9/2021	1.9	7.8	9.5	80.8	
	13:33	4/20/2021	1.2	4.8	14.3	79.7	
	13:33	5/6/2021	3.0	6.0	12.4	78.6	
	13:51	5/20/2021	7.0	17.8	0.4	74.8	
	14:02	6/4/2021	10.5	17.4	1.5	70.6	
	11:54	6/17/2021	13.2	18.3	2.0	66.5	
GP-1	13:32	4/9/2021	0.0	3.0	14.7	82.3	
	14:33	4/9/2021	0.0	3.0	14.3	82.7	
	13:11	4/20/2021	0.0	3.4	13.0	83.6	
	14:11	4/20/2021	0.0	3.6	13.3	83.1	
	13:13	5/6/2021	0.0	4.8	10.8	84.4	
	14:13	5/6/2021	0.0	4.8	11.2	84.0	
	13:29	5/20/2021	0.0	5.4	8.4	86.2	
	14:29	5/20/2021	0.0	5.8	8.3	85.9	
	13:37	6/4/2021	0.0	7.4	5.0	87.6	
	14:37	6/4/2021	0.0	7.2	4.8	88.0	
	11:33	6/17/2021	1.2	10.3	1.0	87.6	
	13:28	6/17/2021	1.2	10.3	0.8	87.8	
GP-2	13:42	4/9/2021	0.0	0.4	20.9	78.7	
	13:24	4/20/2021	0.0	1.8	16.7	81.5	
	13:25	5/6/2021	0.0	5.0	11.7	83.3	
	13:42	5/20/2021	0.0	0.6	19.8	79.6	
	13:53	6/4/2021	0.0	4.8	12.0	83.2	
	11:11	6/17/2021	0.0	2.5	16.5	81.0	

Table 7: Landfill Gas Field Parameter Monitoring Results
FF/NN Landfill
Ripon, Wisconsin,
Second Quarter 2021

Monitoring Point	Time	Date	CH_4 (%)	CO_2 (%)	O_2 (%)	N (%)	Comments
GP-3	10:51	6/17/2021	0	0.6	20	79.4	
GP-4	10:45	6/17/2021	0	1.2	19	79.8	
GP-5	11:29	6/17/2021	0	6.8	12.2	81.0	
GP-6	10:40	6/17/2021	0	0.6	19.6	79.8	
GP-7	10:36	6/17/2021	0	1.8	18.3	79.9	
GP-10	11:07	6/17/2021	0	2.1	18.2	79.7	
GP-11	10:58	6/17/2021	0	2.6	18.0	79.4	
GP-12	11:20	6/17/2021	0	1.4	19.4	79.2	
Exhaust	13:37	4/9/2021	2.3	2.0	19.4	76.4	
	13:19	4/20/2021	2.1	1.8	19.2	76.9	
	13:18	5/6/2021	2.0	1.8	19.1	77.1	
	13:35	5/20/2021	2.0	1.8	18.8	77.4	
	13:42	6/4/2021	2.1	2.0	19.1	76.9	
	11:43	6/17/2021	1.9	1.9	19.1	77.2	
MW-101	11:01	6/17/2021	0.0	0.1	20.7	79.2	
MW-102	11:25	6/17/2021	0.0	0.6	19.1	80.3	
MW-103	10:48	6/17/2021	0.0	0.1	20.6	79.3	
MW-104	10:55	6/17/2021	0.0	0.1	20.6	79.3	

Notes:

CH_4 = Methane

CO_2 = Carbon Dioxide

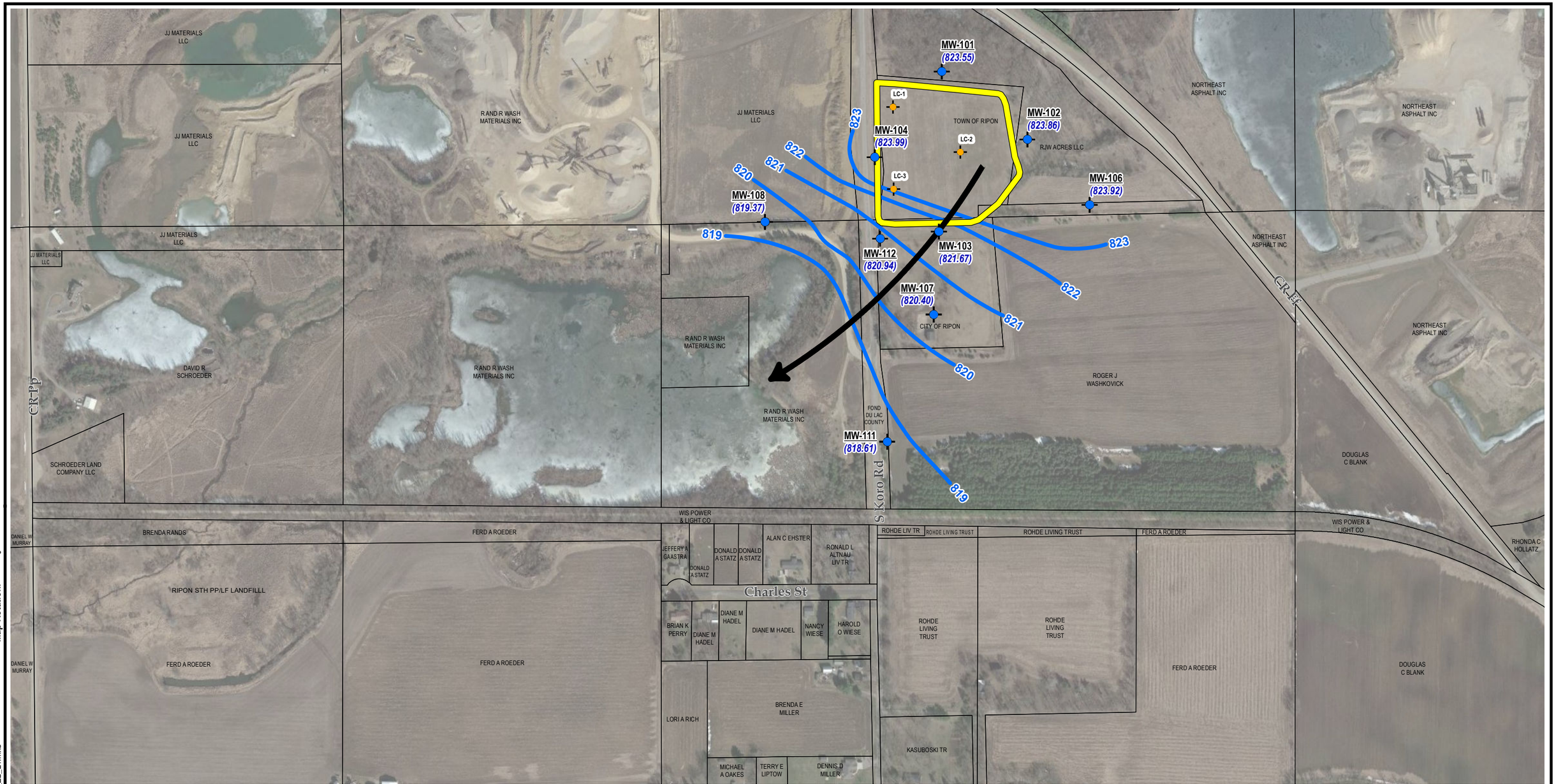
O_2 = Oxygen

N = Nitrogen

% = Percent

Updated By: A. Sobbe 7/23/2021

Checked by: A. Stehn 10/1/2021



LEGEND

- **MW-112** *(821.67)* MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- LEACHATE HEAD WELL
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- TAX PARCEL
- RIPON FF/NN LANDFILL SITE

NOTES

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

0 200 400 Feet

1 " = 400 '

1:4,800

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

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 2 LAYER 1 WELLS
JUNE 17, 2021

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

TRC
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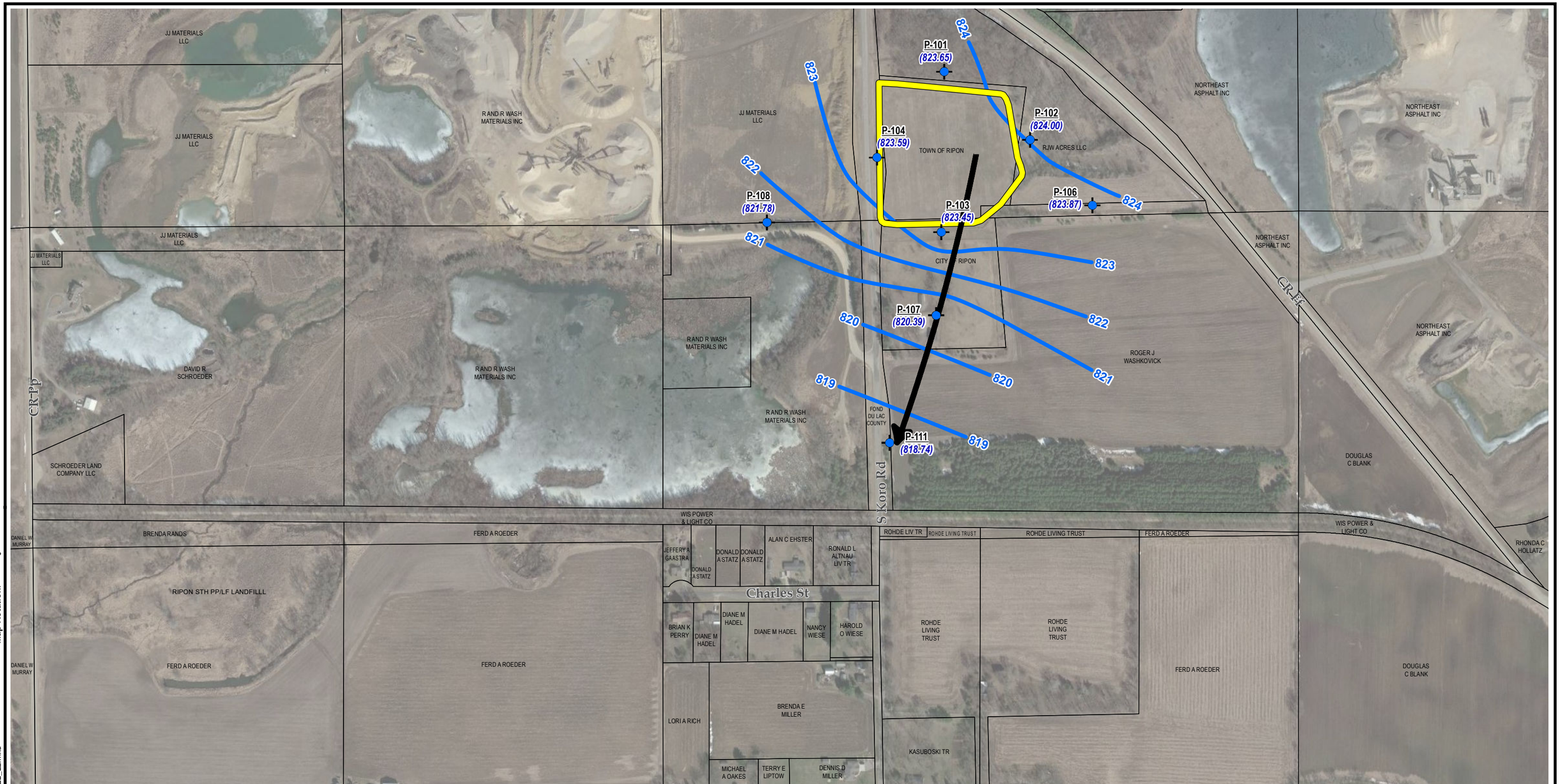
West Allis, WI 53214
Phone: 262.879.1212
www.trcsolutions.com

FILE NO.: 421748-2021-Q2-001-GW_EL_L1.mxd

Plot Date: 11/24/2021, 11:20:43 AM by RSUEMNICHT -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\Ripon\421748-2021-Q2-001-GW_EL_L1.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- **MW-112** *(821.78)* MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- TAX PARCEL
- RIPON FF/NN LANDFILL SITE

NOTES

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

0 200 400 Feet

1 " = 400 '

1:4,800

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

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 2 LAYER 2 WELLS
JUNE 17, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 2**
DATE:	NOVEMBER 2021		

TRC
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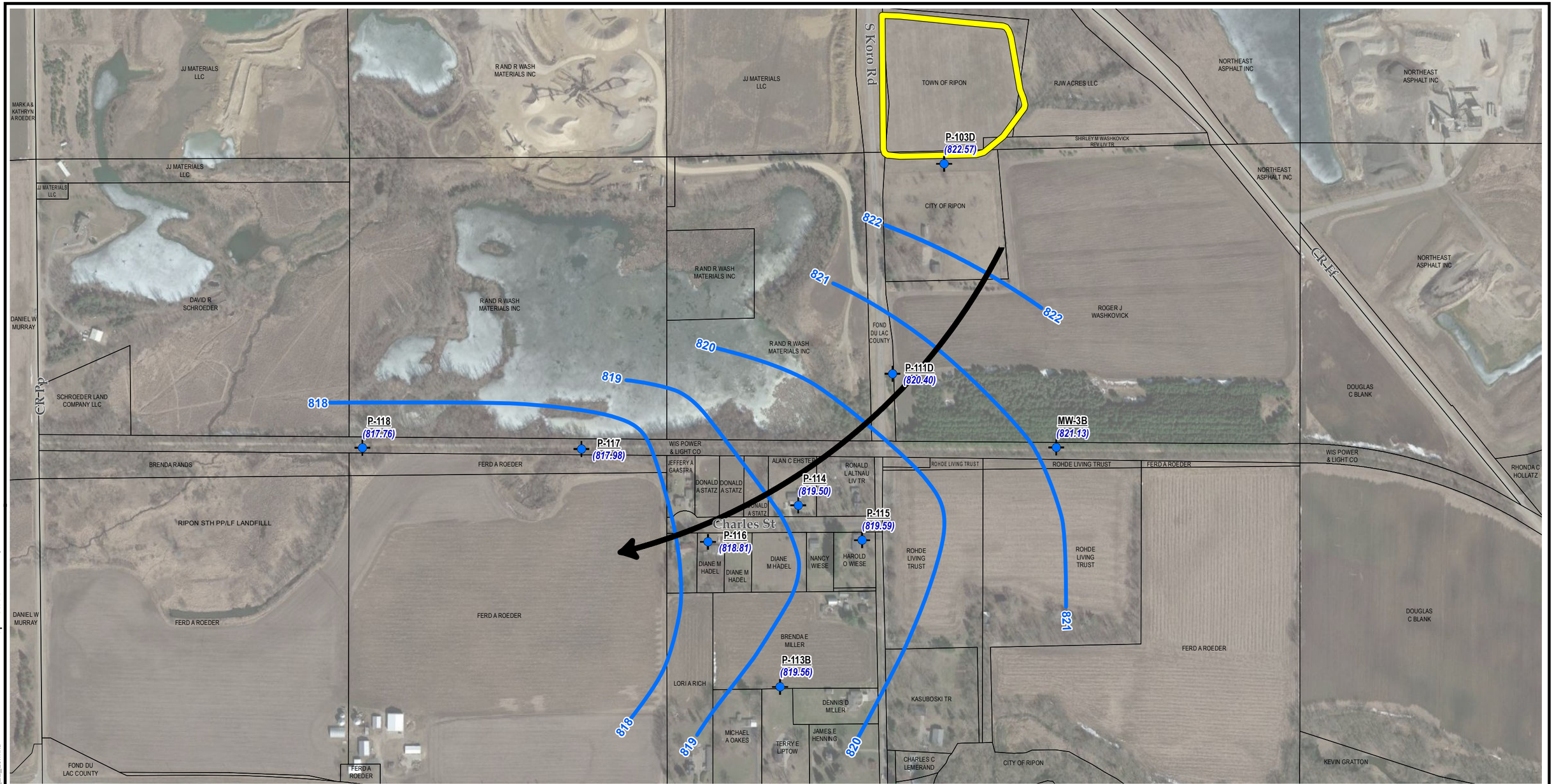
FILE NO.: 421748-2021-Q2-002-GW_EL_L2.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
Plot Date: 11/24/2021, 11:21:15 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\Ripon\421748-2021-Q2-002-GW_EL_L2.mxd

TRC - GIS



LEGEND

- **MW-112** *(821.13)* — MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- TAX PARCEL
- RIPON FF/NN LANDFILL

NOTES

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

0 200 400 Feet

1 " = 400 '

1:4,800

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

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 2 LAYER 3 WELLS
JUNE 17, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 3**
DATE:	NOVEMBER 2021		

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FILE NO.: 421748-2021-Q2-003-GW_EL_L3.mxd

Plot Date: 11/24/2021, 11:21:39 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
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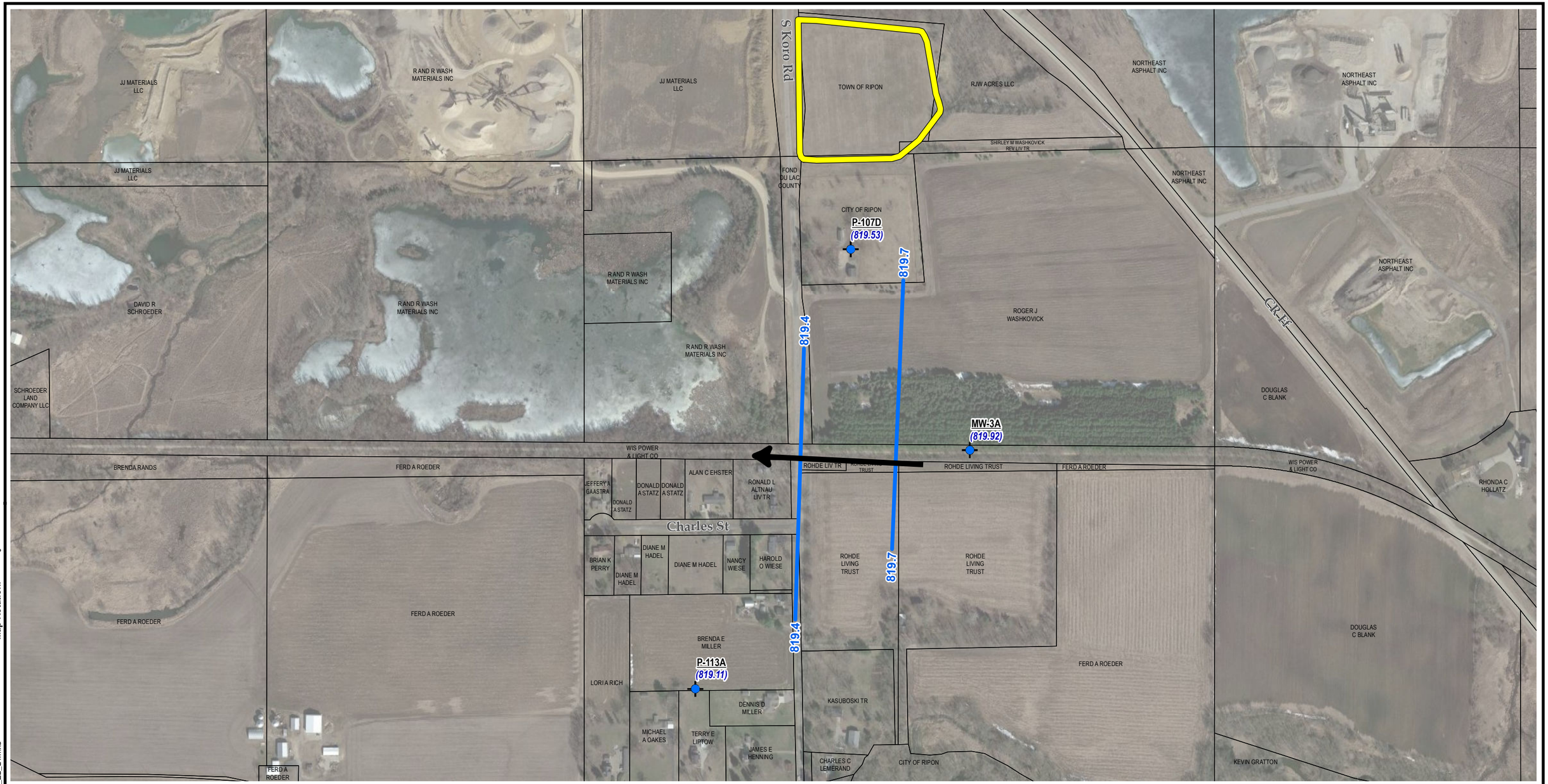
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- **MW-112** *(819.11)* — MONITORING WELL, PIEZOMETER LOCATION WITH GROUNDWATER ELEVATION
- PRESUMED GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- TAX PARCEL
- RIPON FF/NN LANDFILL SITE

NOTES

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

0 200 400 Feet

1 " = 400 '

1:4,800

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

TITLE:
GROUNDWATER ELEVATION MAP
QUARTER 2 LAYER 4 WELLS
JUNE 17, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 4**
DATE:	NOVEMBER 2021		

TRC
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FILE NO.: 421748-2021-Q2-004-GW_EL_L4.mxd

Plot Date: 11/24/2021, 11:22:06 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
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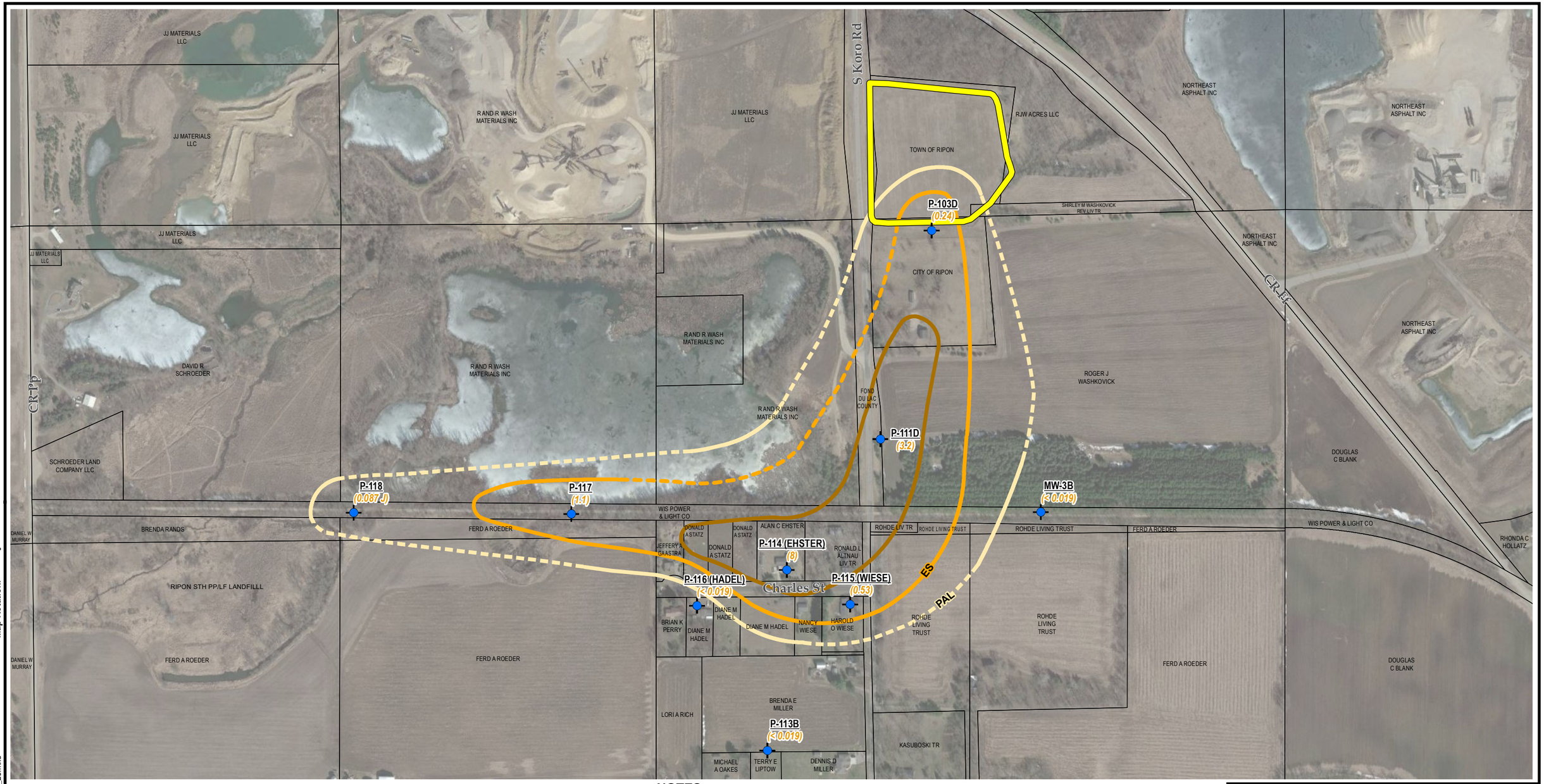
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS

TRC - GIS

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

Plot Date: 11/24/2021, 11:22:27 AM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
Path: S:\11-PROJECTS\Ripon\421748-2021-Q2-005-VC_L3.mxd



LEGEND

- P-117 (3.2) — MONITORING WELL, PIEZOMETER LOCATION WITH VINYL CHLORIDE LEVEL
- PREVENTATIVE ACTION LEVEL VINYL CHLORIDE ISOCONTOUR 0.02 UG/L (DASHED WHERE INFERRED)
- ENFORCEMENT STANDARD VINYL CHLORIDE ISOCONTOUR 0.2 UG/L (DASHED WHERE INFERRED)
- VINYL CHLORIDE ISOCONTOUR 2.0 UG/L (DASHED WHERE INFERRED)
- TAX PARCEL
- RIPON FF/NN LANDFILL SITE

NOTES

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

N

0 200 400 Feet

1 " = 400 '

1:4,800

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

TITLE:
VINYL CHLORIDE ISOCONCENTRATION MAP
QUARTER 2 LAYER 3 WELLS
JUNE 17 & 18, 2021

DRAWN BY:	R. SUEMNICHT	PROJ. NO.:	421748
CHECKED BY:	S. SELLWOOD		
APPROVED BY:	A. STEHN		**FIGURE 5**
DATE:	NOVEMBER 2021		

TRC
6737 W Washington St., Suite 2100
West Allis, WI 53214
Phone: 262.879.1212
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FILE NO.: 421748-2021-Q2-005-VC_L3.mxd

Appendix A: Annual Landfill Cap Inspection Report

Ripon Landfill Cover
Inspection Record

Date	Name of Inspector
6/17/2021	John Roelke

Description of Weather

Time	Temperature	Barometric Pressure	Precipitation
11:26 AM	70	29.89 in. Hg	none

Weather Conditions	Ground Conditions	General Past 7-Day Weather Conditions
cloudy	dry	mostly sunny, no rain, dry conditions

Landfill Vegetation Cover

General Health of Vegetation

Healthy ☒ Stressed ☐ Barren ☐

Comments

Vegetation on landfill cap is healthy and not stressed.

Density of Vegetation

Good ☒ Fair ☐ Poor ☐

Comments

Landfill cap has been recently mowed and is in good condition.

Evidence of Burrowing Animals		Comments
No ☐	Yes ☒	NE, beyond the end of waste.
Erosion of Landfill Cap		**Comments**
No ☒	Yes ☐	
Settlement of Landfill Cap		**Comments**
No ☒	Yes ☐	
Drainage Ditch Erosion		**Comments**
No ☒	Yes ☐	Contoured drainage ditch by the blower is in good condition and flows properly
Seeps Identified		**Comments**
No ☒	Yes ☐	

Location of Erosion on Landfill Cap

- None

Location of Settlement of Landfill Cap

- None

Location of Drainage Ditch Erosion

- None

Location of Seeps

- None

Locations	Erosion	Comments
GV-1	Yes ☐ No ☒	
GV-2	Yes ☐ No ☒	
GV-3	Yes ☐ No ☒	
GV-4	Yes ☐ No ☒	
GV-5	Yes ☐ No ☒	
GV-6	Yes ☐ No ☒	
GV-7	Yes ☐ No ☒	
GV-8	Yes ☐ No ☒	
GV-9	Yes ☐ No ☒	
LC-1	Yes ☐ No ☒	
LC-2	Yes ☐ No ☒	
LC-3	Yes ☐ No ☒	
P-104	Yes ☐ No ☒	Well casing was extended to prevent crimping of GW discharge and cover was installed.
MW-104	Yes ☐ No ☒	

Figure 1: Landfill cover, SE corner.

Figure 2: Outfall stone from contoured drainage ditch at SE corner.

Figure 2: Drainage flow from contoured drainage ditch at SE corner.

Figure 3: Drainage Pipe, located at SE corner.

Appendix B: Quarterly Monitoring Field Notes

TRC

PROJECT NAME:	FF/NN Landfill Ripon
PROJECT NUMBER:	421748.0000.0000
PROJECT MANAGER:	Andy Stehn
SITE LOCATION:	Ripon, WI
DATES OF FIELDWORK:	6/ 17 /2021 & 6-18-21
PURPOSE OF FIELDWORK:	Collect groundwater, private well, and leachate samples. Monitor probes, balance LF, and collect air samples.
WORK PERFORMED BY:	Aron Sobbe/John Roelke

Aron Sobbe 10/26/2021
SIGNED DATE

John Roelke 10/18/2021
CHECKED BY DATE

REVISED 03/2008

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	FF/NN Landfill Ripon	MODEL: YSI Pro DSS4M	SAMPLER: A. Sobka
PROJECT NO.:	421748 0000 0000	SERIAL #: 16G101222	DATE: 6-17-21 & 6-18-21

PH METER

CALIBRATION pH 4	CALIBRATION pH 7	CALIBRATION TIME	POST SAMPLING CALIBRATION CHECK pH 4	POST SAMPLING CALIBRATION CHECK pH 7	POST SAMPLING CALIBRATION CHECK TIME	DATE
☒ WITHIN RANGE	☒ WITHIN RANGE	510	3.95	6.91	2030	6-17
☒ WITHIN RANGE	☒ WITHIN RANGE	520	3.88	6.83	1610	6-18
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					
☐ WITHIN RANGE	☐ WITHIN RANGE					

CONDUCTIVITY METER

CALIBRATION STANDARD	CALIBRATION	CALIBRATION TIME	POST SAMPLING CALIBRATION CHECK SOLUTION CHECK	SOLUTION TEMP	TIME	DATE
4490 µmhos/cm	☒ WITHIN RANGE	520	4481 µmhos/cm	20.1 °C	2045	6-17
4490 µmhos/cm	☒ WITHIN RANGE	525	4499 µmhos/cm	20.8 °C	1620	6-1
µmhos/cm	☐ WITHIN RANGE		µmhos/cm	°C		
µmhos/cm	☐ WITHIN RANGE		µmhos/cm	°C		
µmhos/cm	☐ WITHIN RANGE		µmhos/cm	°C		

DO METER

CALIBRATION	TIME	CALIBRATION	TIME	DATE
☒ WITHIN RANGE	525	☒ WITHIN RANGE	2055	6-17
☒ WITHIN RANGE	530	☒ WITHIN RANGE	1625	6-18
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		
☐ WITHIN RANGE		☐ WITHIN RANGE		

ORP METER

CALIBRATION	TIME	POST SAMPLING CALIBRATION CHECK SOLUTION CHECK	SOLUTION TEMP	TIME	DATE
☒ WITHIN RANGE	530	245 mV	20.7 °C	2105	6-17
☒ WITHIN RANGE	535	221 mV	21.8 °C	1630	6-18
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		
☐ WITHIN RANGE		mV	°C		

TURBIDITY CALIBRATION CHECK N/A

METER TYPE: Hach 2100P

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

pH4 Solution

~~Autocal Solution Lot#:~~ OGH869 Exp Date: Aug-21

pH 7 Soultion Lot#: 9GH321 Exp Date: Aug-21

ORP Solution Lot#: 19D100189 Exp Date: 4-4-24

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

NOTES

DATE	PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

Anna Sobka 10/26/2021

SIGNED DATE

John Roelke 10/18/2021

Checked DATE

WATER LEVEL DATA

PROJECT NAME	Ripon FF/NN Landfill			DATE	6/17/21	
PROJECT NUMBER	421748 0000 0000			AUTHOR	J. Roelke	

	WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	WATER ELEVATION	
	MW-3A	8:13	850.6	30.68	280.1		
	MW-3B	8:11	850 89	29.76	185.72		
	P-113A	8:07	833.16	14.05	325.31		
	P-113B	8:05	833.16	13.60	198.9		
	P-103	9:04	872.74	49.29	83.02		
	P-103D	9:02	872.91	50.34	192.66		
	~~P-111D~~		~~855.56~~		~~151.00~~		
	~~P-107D~~		~~871.9~~		~~327.95~~		
	P114	8:03	839.36	19.86	181.72		
	P-115	7:57	842.67	23.08	179.57		
	P-116	8:01	845.86	27.05	163.19		
	P-117	8:21	833.96	15.98	165.54		
	P-118	8:25	826.74	8.98	167.80		
	MW-103	9:06	872.3	50.63	53.69		
	~~MW-112~~	~~9:~~	~~874.7~~		~~60.47~~		
	MW-101	9:50	884.73	61.18	64.5		
	P-101	9:48	885.39	61.74	96.49		
	MW-102	9:36	842.9	19.04	24		
	P-102	9:34	842.85	18.85	61.15		
	MW-104	9:56	875.15	51.21	54.9		VOC; EPA ~~524.2 8260C~~
	P-104	9:54	875.48	51.81	92.8		
	MW-106	9:18	878.9	54.83	57.35		
	P-106	9:15	878.91	54.93	87.3		
	MW-107	8:53	871.69	51.29	55.29		VOC; EPA 8260C
	P-107	8:51	871.33	50.94	87.13		VOC; EPA 8260C
	P-107D	8:49	871.9	52.37	322.7		
	MW-108	9:28	845.08	25.71	30.28		
	P-108	9:25	845.48	23.70	62.48		
	MW-111	8:36	856.09	37.48	43.79		
	P-111	8:33	856.28	37.54	82.68		
	P-111D	8:32	855.56	35.16	148.46		
	MW-112	8:57	874.7	53.76	60.47		
	~~P-113A~~		~~833.16~~		~~325.31~~		
	~~P-113B~~		~~833.16~~		~~198.9~~		
	~~P-114~~		~~839.36~~		~~181.7~~		

TRC WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748.0000 0000	BY AS/JR DATE 6/17/21	BY AS DATE 10/26/2021

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ ☐ LEACHATE ☐ OTHER

SAMPLE TYPE ☑ GW ☐ WW ☐ SW ☐ DI

PURGING	TIME 17:17	DATE 6/17/21
PURGE METHOD	☑ PUMP ☐ BAILER	
DEPTH TO WATER	31.29 T/ PVC	
DEPTH TO BOTTOM	280.1 T/ PVC	
WELL VOLUME	~~200mL~~ ☒ LITERS ☐ GALLONS	
VOLUME REMOVED	8L ☒ LITERS ☐ GALLONS	
COLOR	Lt Tan/Cloudy	ODOR NONE
TURBIDITY	☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME 17:55	DATE 6/17/21
PH	7.23 SU	CONDUCTIVITY 5640 umhos/cm
DO	0.20 mg/l	ORP: -5.6 mV
TURBIDITY	NA NTU	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE	11.78 °C	OTHER: --
COLOR	Clear	ODOR NONE
FILTRATE (0.45 um)	☑ YES ☐ NO	
FILT COLOR	Clear	FILT ODOR: None
QC SAMPLE	☐ MS/MSD	☐ DUP-
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
17:20	200	12.95	546.03	2.26	7.58	-12.7	NM	31.29	~~0.2L~~ 1L
17:25	200	11.83	561.20	0.66	7.35	-46.1	NM	31.99	~~0.4L~~ 2L
17:30	200	11.70	560.28	0.32	7.26	-62.7	NM	31.99	~~0.6L~~ 3L
17:35	200	11.79	561.10	0.24	7.23	-45.4	NM	32.01	~~0.8L~~ 4L
17:40	200	11.71	567.23	0.22	7.23	-15.5	NM	32.01	~~1.0L~~ 5L
17:45	200	11.68	566.39	0.21	7.23	-7.7	NM	32.01	~~1.2L~~ 6L
17:50	200	11.79	564.02	0.20	7.23	-5.3	NM	32.01	~~1.4L~~ 7L
17:55	200	11.78	564.00	0.20	7.23	-5.6	NM	32.01	~~1.6L~~ 8L

Sampled @ 17:55

6/17/21

5th 6/17/21

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 6/ /21
	SIGNATURE: DATE SIGNED

REVISED 03/2008

TRC

WATER SAMPLE LOG

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/15/21	BY: AS DATE: 10/26/2021

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

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

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

PURGING	TIME: 6:35	DATE: 6/18/21

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 29.75 T/ PVC

DEPTH TO BOTTOM: 185.72 T/ PVC

WELL VOLUME: — ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 8L ☒ LITERS ☐ GALLONS

COLOR: Clear ODOR: NONE

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 7:15	DATE: 6/18/21

PH: 7.44 SU CONDUCTIVITY: 687.49 umhos/cm

DO: 0.21 mg/l ORP: -96.4 mV

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: °C OTHER: --

COLOR: Clear ODOR: NONE

FILTRATE (0.45 um): ☑ YES ☐ NO

FILT COLOR: Clear FILT ODOR: None

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Purge water was disposed at Ripon's WWTP

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
6:35	200	19.43	0.44	8.49	7.49	120.4	NA	29.75	0
6:40	200	11.70	572.12	1.13	7.97	-109.4	NA	29.76	1L
6:45	200	11.33	638.27	0.90	7.56	-205.2	NA	29.78	2L
6:50	200	11.01	695.12	0.28	7.44	-178.2	NA	29.78	3L
6:55	200	11.10	699.95	0.23	7.43	-145.6	NA	29.78	4L
7:00	200	11.11	693.40	0.21	7.43	-127.1	NA	29.78	5L
7:05	200	11.29	694.80	0.21	7.43	-109.8	NA	29.78	6L
7:10	200	11.80	693.57	0.22	7.43	-97.2	NA	29.78	7L
7:15	200	11.39	687.49	0.21	7.44	-96.4	NA	29.78	8L

Sampled @ 7:15

6/18/21

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED:

TRC

WATER SAMPLE LOG

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/18/21	BY: JR DATE: 10/19/2021

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

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

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

PURGING	TIME: 1038	DATE: 6/18/21

PURGE METHOD: ☑ PUMP ☒ BAILER

DEPTH TO WATER: 50.63 T/ PVC

DEPTH TO BOTTOM: 53.69 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 3 ☐ LITERS ☒ GALLONS

COLOR: Clear ODOR: none

TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1040	DATE: 6/18/21

PH: 7.28 SU CONDUCTIVITY: 481 umhos/cm

DO: 7.15 mg/l ORP: 111.6 mV

TURBIDITY: 10.35 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 21.7 °C OTHER: --

COLOR: Clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☒ NO

FILT COLOR: Clear FILT ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Purge water was disposed at Ripon's WWTP

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

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

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TRC

WATER SAMPLE LOG

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/18/21	BY: JR DATE: 10/19/2021

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

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

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

PURGING	TIME: 905	DATE: 6/18/21

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: 49.43 T/ PVC

DEPTH TO BOTTOM: T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 11 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: none

TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 1000	DATE: 6/18/21

PH: 7.26 SU CONDUCTIVITY: 739 umhos/cm

DO: 1.06 mg/l ORP: -91.1 mV

TURBIDITY: NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.0 °C OTHER: --

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILT COLOR: clear FILT ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Purge water was disposed at Ripon's WWTP

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
910	200	11.3	740	2.17	7.24	-73.1	108.20	49.43	1L
915	200	11.2	737	1.84	7.25	-77.3	60.11	49.42	2L
920	200	11.4	737	1.60	7.25	-81.0	47.88	49.42	3L
925	200	11.6	737	1.41	7.25	-84.1	29.80	49.42	4L
930	200	11.3	737	1.34	7.25	-85.1	28.00	49.42	5L
935	200	11.7	737	1.25	7.25	-87.0	21.03	49.42	6L
940	200	11.6	738	1.20	7.25	-87.9	17.40	49.42	7L
945	200	12.0	738	1.15	7.25	-89.2	13.45	49.42	8L
950	200	12.0	738	1.11	7.26	-89.9	10.24	49.42	9L
955	200	12.0	739	1.08	7.26	-90.6	7.26	49.42	10L
1000	200	12.0	739	1.06	7.26	-91.1	5.86	49.42	11L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

TRC

WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748.0000.0000	BY AS/JR DATE 6/18/21	BY JR DATE 10/19/2021

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 815	DATE 6/18/21	SAMPLE	TIME 845	DATE 6/18/21

PURGE METHOD ☑ PUMP 50 ☐ BAILER

DEPTH TO WATER 50.48 T/ PVC

DEPTH TO BOTTOM T/ PVC

WELL VOLUME ☐ LITERS ☐ GALLONS

VOLUME REMOVED 6 ☒ LITERS ☐ GALLONS

COLOR clear ODOR none

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.31 SU CONDUCTIVITY: 806 umhos/cm

DO: 0.85 mg/l ORP: -105.4 mV

TURBIDITY: -2.11 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.1 °C OTHER: --

COLOR clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILT COLOR: clear FILT ODOR: none

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS Purge water was disposed at Ripon's WWTP

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
820	200	11.3	805	1.57	7.28	-89.7	-1.42	50.49	1 L
825	200	11.3	809	1.21	7.30	-97.2	-2.22	50.49	2 L
830	200	11.0	807	1.00	7.30	-101.6	-1.87	50.49	3 L
835	200	10.9	867	0.93	7.30	-103.2	-2.10	50.49	4 L
840	200	11.0	807	0.87	7.31	-104.9	-2.11	50.49	5 L
845	200	11.1	806	0.85	7.31	-105.4	-2.11	50.49	6 L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

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WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748.0000.0000	BY AS/JR DATE 6/18/21	BY AS DATE 10/26/2021

SAMPLE ID: MW-104 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME 11:35	DATE 6/18/21	SAMPLE	TIME 11:55	DATE: 6/18/21
PURGE METHOD	~~☐ PUMP~~ ☑ BAILER		PH 6.77 SU	CONDUCTIVITY 1179.5 umhos/cm	
DEPTH TO WATER	51.18 T/ PVC		DO ~~24.17~~ mg/l	ORP -66.3 mV	
DEPTH TO BOTTOM	54.9 T/ PVC		TURBIDITY NA NTU		
WELL VOLUME	0.61 ☐ LITERS ☒ GALLONS		☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		
VOLUME REMOVED	2 ☐ LITERS ☒ GALLONS		TEMPERATURE 20.51 °C	OTHER: -	
COLOR	Gray ODOR Lt Leachate		COLOR: Gray	ODOR Lt Leachate	
TURBIDITY			FILTRATE (0.45 um) ☑ YES ☒ NO		
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY			FILT COLOR:	FILT ODOR:	
DISPOSAL METHOD	☐ GROUND ☐ DRUM ☑ OTHER		QC SAMPLE ☐ MS/MSD	☐ DUP-	
			COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1154	—	20.51	11795	4.17	6.77	-66.3	NA	51.18	2 gal

Evidence of Springtails in Sample

VOC's only

6/18/21

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~~	~~CLR PLST~~	~~B~~	☑ Y ☐ N
~~1~~	~~125 mL~~	~~CLR PLST~~	~~C~~	☐ Y ☑ N					☐ Y ☐ N
~~1~~	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD Fed Ex	DATE SHIPPED: 6/ /21
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TRC WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748 0000.0000	BY AS/JR DATE 6/17/21	BY JR DATE 10/19/2021

SAMPLE ID: P-106 WELL DIAMETER ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ ☐ OTHER

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

PURGING	TIME 655	DATE 6/17/21
PURGE METHOD	☑ PUMP bladder ☐ BAILER	
DEPTH TO WATER	T/ PVC	
DEPTH TO BOTTOM	T/ PVC	
WELL VOLUME	☐ LITERS ☐ GALLONS	
VOLUME REMOVED	10 ☒ LITERS ☐ GALLONS	
COLOR	Clear	ODOR none
TURBIDITY	☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME 745	DATE 6/17/21
PH 7.39 SU	CONDUCTIVITY 680	umhos/cm
DO 1.25 mg/l	ORP -81.1	mV
TURBIDITY 5.74 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE 10.8 °C	OTHER --	
COLOR Clear	ODOR none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILT COLOR: clear	FILT ODOR: none	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
700	200	11.0	672	5.20	7.47	-72.1	8.26	54.95	1L
705	200	10.9	676	1.94	7.46	-93.0	6.42	54.97	2L
710	200	11.0	668	1.71	7.45	-83.9	3.33	54.95	3L
715	200	10.9	668	1.80	7.44	-77.2	2.85	54.95	4L
720	200	10.8	672	1.73	7.43	-79.1	6.28	54.95	5L
725	200	10.8	676	1.51	7.41	-81.0	4.37	54.95	6L
730	200	10.8	677	1.42	7.41	-81.2	6.11	54.95	7L
735	200	10.9	679	1.34	7.40	-81.2	4.59	54.95	8L
740	200	10.8	680	1.27	7.39	-81.2	3.23	54.95	9L
745	200	10.9	680	1.25	7.39	-81.1	5.74	54.95	10L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: [signature] DATE SIGNED: 10/26/2021

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WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748 0000 0000	BY AS/JR DATE 6/18/21	BY AS DATE 10/26/2021

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ ☐ OTHER

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

PURGING	TIME 9:30	DATE 6/18/21	SAMPLE	TIME 9:47	DATE 6/18/21

PURGE METHOD ☑ PUMP ☒ BAILER

DEPTH TO WATER 51.33 T/ PVC

DEPTH TO BOTTOM 55.29 T/ PVC

WELL VOLUME 0.66 ☐ LITERS ☒ GALLONS

VOLUME REMOVED 2.0 ☐ LITERS ☒ GALLONS

COLOR ODOR

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: SU CONDUCTIVITY umhos/cm

DO: mg/l ORP mV

TURBIDITY: NA NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE °C OTHER: –

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☐ YES ☐ NO

FILT COLOR: FILT ODOR:

QC SAMPLE ☐ MS/MSD ☐ DUP-

COMMENTS: Purge water was disposed at Ripon's WWTP

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
9:47	–	14.59	991.38	11.85	7.27	559	NA	–	2 gal
		VOCs Only							

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~~	~~CLR PLST~~	B	☑ Y ☐ N
~~1~~	~~125 mL~~	~~CLR PLST~~	C	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~125 mL~~	~~CLR PLST~~	~~A~~	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

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TRC WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED		CHECKED	
PROJECT NUMBER	421748.0000.0000	BY: AS/JR	DATE: 6/ /21	BY: AS	DATE: 10/26/2021

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

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

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

PURGING	TIME: 10:05	DATE: 6/ /21	SAMPLE	TIME: 10:35	DATE: 6/18/21
PURGE METHOD: ☑ PUMP ☐ BAILER			PH: 7.15 SU	CONDUCTIVITY: 810.64 umhos/cm	
			DO: 1.28 mg/l	ORP: -8.6 mV	
DEPTH TO WATER: 50.93 T/ PVC			TURBIDITY: NA NTU		
DEPTH TO BOTTOM: 87.13 T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: — ☐ LITERS ☐ GALLONS			TEMPERATURE: 13.05 °C	OTHER: –	
VOLUME REMOVED: 6L ☐ LITERS ☒ GALLONS			COLOR: reddish/brn	ODOR: none	
COLOR: reddish/brown	ODOR: none		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: clear	FILT ODOR: none	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
10:05	200	12.40	817.66	2.13	7.15	13.6	NA	50.93	0
10:10	200	13.62	818.61	1.96	7.15	13.8	NA	51.53	1L
10:15	200	12.90	818.71	1.92	7.15	13.4	NA	51.64	2L
10:20	200	13.09	813.72	1.49	7.15	-4.9	NA	51.75	3L
10:25	200	13.05	812.87	1.39	7.15	-7.3	NA	51.75	4L
10:30	200	13.04	811.99	1.30	7.15	-8.0	NA	51.75	5L
10:35	200	13.05	810.64	1.28	7.15	-8.0	NA	51.75	6L
		10:35	Sampled well						
		6/18/21							

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 6/ /21	
	SIGNATURE:	DATE SIGNED:

WATER SAMPLE LOG

TRC

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/ /21	BY: JR DATE: 10/19/2021

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

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

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

PURGING	TIME: ~~1645~~	DATE: 6/17/21
PURGE METHOD: ☑ PUMP ☐ BAILER	1650	
DEPTH TO WATER: ~~52.54~~ T/ PVC		
DEPTH TO BOTTOM: T/ PVC		
WELL VOLUME: ☐ LITERS ☐ GALLONS		
VOLUME REMOVED: 7 ☒ LITERS ☐ GALLONS		
COLOR: Clear ODOR: none		
TURBIDITY ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1725	DATE: 6/17/21
PH: 7.37 SU	CONDUCTIVITY: 642 umhos/cm	
DO: 2.65 mg/l	ORP: -29.6 mV	
TURBIDITY: ~~0.50~~ NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 10.2 °C	OTHER: --	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILT COLOR: clear	FILT ODOR: none	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1650								52.58	
1655	200	10.9	646	3.33	7.37	-17.4	-1.90	52.58	1L
1700	200	10.7	633	3.16	7.37	-22.1	-1.72	52.58	2L
1705	200	10.2	610	2.77	7.36	-27.8	-1.71	52.58	3L
1710	200	10.2	627	2.64	7.33	-25.2	-1.94	52.58	4L
1715	200	10.2	637	2.70	7.34	-25.1	-1.85	52.58	5L
1720	200	10.3	643	2.57	7.35	-27.1	-1.89	52.58	6L
1725	200	10.2	642	2.65	7.37	-29.6	-0.50	52.58	7L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

REVISED 03/2008

TRC WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748 0000.0000	BY AS/JR DATE 6/ /21	BY JR DATE 10/19/2021

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ ☐ OTHER

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

PURGING	TIME 1545	DATE 6/17/21	SAMPLE	TIME 1610	DATE 6/17/21
PURGE METHOD ☑ PUMP ☐ BAILER			PH 7.44 SU	CONDUCTIVITY 891	umhos/cm
DEPTH TO WATER	T/ PVC		DO 0.72 mg/l	ORP -101.6	mV
DEPTH TO BOTTOM	T/ PVC		TURBIDITY 5.30NA NTU		
WELL VOLUME	☐ LITERS ☐ GALLONS		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
VOLUME REMOVED 5	☒ LITERS ☐ GALLONS		TEMPERATURE 11.0 °C	OTHER --	
COLOR Clear	ODOR none		COLOR clear	ODOR none	
TURBIDITY			FILTRATE (0.45 um) ☑ YES	☐ NO	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILT COLOR: clear	FILT ODOR: none	
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			QC SAMPLE ☐ MS/MSD	☐ DUP-	
			COMMENTS Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1550	200	12.0	888	0.95	7.44	-101.6	-1.20	35.39	1L
1555	200	11.9	891	0.81	7.43	-97.3	0.05	35.38	2L
1600	200	11.5	889	0.78	7.43	-98.3	0.85	35.39	3L
1605	200	11.3	890	0.75	7.43	-99.4	1.15	35.39	4L
1610	200	11.0	891	0.72	7.44	-101.6	5.30	35.39	5L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

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WATER SAMPLE LOG

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/18/21	BY: AS DATE: 10/26/2021

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

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

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

PURGING	TIME: 11:06	DATE: 6/18/21	SAMPLE	TIME: 11:15	DATE: 6/18/21
PURGE METHOD: ☑ PUMP ☒ BAILER			PH: 7.00 SU	CONDUCTIVITY: 864.44 umhos/cm	
			DO: 2.38 mg/l	ORP: -38.4 mV	
DEPTH TO WATER: 53.72 T/ PVC			TURBIDITY: NA NTU		
DEPTH TO BOTTOM: 60.47 T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 1.11 ☐ LITERS ☐ GALLONS			TEMPERATURE: 14.66 °C	OTHER: -	
VOLUME REMOVED: 3.5 ☐ LITERS ☐ GALLONS			COLOR: Tan/red	ODOR:	
COLOR: tan/red ODOR: NONE			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY			FILT COLOR:	FILT ODOR:	
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
11:15	-	14.66	864.44	2.38	7.00	-38.4	NA	-	2.0G

6/18/21

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 6/ /21	
	SIGNATURE:	DATE SIGNED:

WATER SAMPLE LOG

TRC

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/17/21	BY: JR DATE: 10/19/2021

SAMPLE ID: P-113A

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 915	DATE: 6/17/21
PURGE METHOD: ☑ PUMP ☐ BAILER		
DEPTH TO WATER: 14.05 T/ PVC		
DEPTH TO BOTTOM: T/ PVC		
WELL VOLUME: ☐ LITERS ☐ GALLONS		
VOLUME REMOVED: 6.5 ☒ LITERS ☐ GALLONS		
COLOR: clear ODOR: none		
TURBIDITY: ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 950	DATE: 6/17/21
PH: 7.34 SU	CONDUCTIVITY: 581 umhos/cm	
DO: 0.91 mg/l	ORP: -13.2 mV	
TURBIDITY: -2.63 NTU		
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.2 °C	OTHER: --	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILT COLOR: clear	FILT ODOR: none	
QC SAMPLE: ☐ MS/MSD ☐ DUP-		
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
920	200	10.0	571	4.04	7.63	-19.2	-2.63	15.01	1L
925	175	10.3	573	1.90	7.48	-54.7	-2.72	14.95	2L
930	175	10.2	573	1.25	7.40	-59.8	-2.60	15.03	2.9L
935	175	10.4	577	1.03	7.34	-44.3	-2.75	15.05	3.8L
940	175	10.8	580	0.95	7.32	-30.5	-2.63	15.05	4.7L
945	175	11.0	581	0.93	7.32	-22.1	-2.81	15.05	5.6L
950	175	11.2	581	0.91	7.34	-13.2	-2.63	15.05	6.5L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

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WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED		CHECKED	
PROJECT NUMBER	421748.0000.0000	BY: AS/JR	DATE: 6/17/21	BY: JR	DATE: 10/19/2021

SAMPLE ID: D-1138 WELL DIAMETER: [✓] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [✓] PVC [ ] SS [ ] IRON [ ] [ ] OTHER

SAMPLE TYPE: [✓] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 825	DATE: 6/17/21	SAMPLE	TIME: 855	DATE: 6/17/21
PURGE METHOD: [✓] PUMP [ ] BAILER			PH: 7.14 SU	CONDUCTIVITY: 701	umhos/cm
DEPTH TO WATER: 13.60 T/ PVC			DO: 1.39 mg/l	ORP: -61.1	mV
DEPTH TO BOTTOM: T/ PVC			TURBIDITY: 1.37 NA NTU		
WELL VOLUME: [ ] LITERS [ ] GALLONS			[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
VOLUME REMOVED: 6 [X] LITERS [ ] GALLONS			TEMPERATURE: 9.9 °C	OTHER: --	
COLOR: clear	ODOR: none		COLOR: clear	ODOR: none	
TURBIDITY [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY			FILTRATE (0.45 um) [✓] YES [ ] NO		
			FILT COLOR: Clear	FILT ODOR: none	
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [✓] OTHER			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
			COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
825	200	10.1	701	3.57	7.40	-58.0	0.29	13.60	2L
830	200	10.2	700	2.24	7.34	-71.1	-1.71	13.70	1L
835	200	10.0	699	1.91	7.27	-80.2	-1.77	13.80	2L
840	200	9.7	699	1.53	7.23	-64.9	-0.55	13.73	3L
845	200	9.9	700	1.34	7.21	-65.0	2.18	13.73	4L
850	200	9.9	701	1.35	7.21	-65.9	-1.85	13.75	5L
855	200	9.9	701	1.39	7.14	-61.1	1.37	13.75	6L

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	CLR PLST	B	[✓] Y [ ] N
1	125 mL	CLR PLST	C	[ ] Y [✓] N					[ ] Y [ ] N
1	125 mL	CLR PLST	A	[ ] Y [✓] N					[ ] Y [ ] N

SHIPPING METHOD: Fed Ex DATE SHIPPED: 6/ /21

SIGNATURE: DATE SIGNED: 10/26/2021

TRC WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748.0000.0000	BY: AS/JR DATE: 6/17/21	BY: JR DATE: 10/19/2021

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

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

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

PURGING	TIME: 1130	DATE: 6/17/21
PURGE METHOD:	☑ PUMP ☐ BAILER	
DEPTH TO WATER:	19.86 T/ PVC	
DEPTH TO BOTTOM:	T/ PVC	
WELL VOLUME:	☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	7 ☒ LITERS ☐ GALLONS	
COLOR:	Clear ODOR: None	
TURBIDITY	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 1205	DATE: 6/17/21
PH: 7.49 SU	CONDUCTIVITY: 812 umhos/cm	
DO: 0.77 mg/l	ORP: -108.5 mV	
TURBIDITY: NA NTU 53.21		
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		
TEMPERATURE: 10.9 °C	OTHER: --	
COLOR: Clear	ODOR: None	
FILTRATE (0.45 um) ☑ YES	☐ NO	
FILT COLOR: Clear	FILT ODOR: None	
QC SAMPLE: ☐ MS/MSD	☒ DUP- 1	
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1135	200	12.3	805	6.30	7.56	-56.0	-1.43	20.03	1L
1140	200	11.0	809	1.30	7.43	-108.2	0.50	20.04	2L
1145	200	10.9	810	0.97	7.47	-119.7	8.75	20.03	3L
1150	200	10.8	813	0.83	7.49	-112.5	19.57	20.04	4L
1155	200	10.9	813	0.78	7.49	-111.1	30.82	20.05	5L
1200	200	11.2	813	0.74	7.49	-111.0	38.41	20.04	6L
1205	200	10.9	812	0.77	7.49	-108.5	53.21	20.05	7L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

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WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER	421748.0000.0000	BY (AS) JR DATE 6/17/21	BY JR DATE 10/19/2021

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

WELL MATERIAL ☑ PVC ☐ SS ☐ IRON ☐ ☐ OTHER

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

PURGING	TIME 1035	DATE 6/17/21

PURGE METHOD ☑ PUMP ☐ BAILER

DEPTH TO WATER 23.09 T/ PVC

DEPTH TO BOTTOM T/ PVC

WELL VOLUME ☐ LITERS ☐ GALLONS

VOLUME REMOVED 6 ☒ LITERS ☐ GALLONS

COLOR Clear ODOR none

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME 1105	DATE 6/17/21

PH 7.53 SU CONDUCTIVITY 647 umhos/cm

DO 0.82 mg/l ORP -105.3 mV

TURBIDITY 0.96NA NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE 10.3 °C OTHER -

COLOR Clear ODOR: none

FILTRATE (0.45 um) ☑ YES ☐ NO

FILT COLOR: Clear FILT ODOR none

QC SAMPLE ☐ MS/MSD ☐ DUP-

COMMENTS: Purge water was disposed at Ripon's WWTP

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1040	200	10.7	646	1.97	7.76	-108.1	1.32	23.30	1L
1045	200	10.6	650	1.25	7.65	-114.5	2.60	23.30	2L
1050	200	10.3	650	0.97	7.56	-107.7	1.23	23.30	3L
1055	200	10.4	648	0.88	7.54	-106.5	1.32	23.30	4L
1100	200	10.4	647	0.85	7.54	-106.0	1.48	23.31	5L
1105	200	10.3	647	0.82	7.53	-105.3	0.96	23.31	6L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex DATE SHIPPED 6/ /21

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WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED		CHECKED	
PROJECT NUMBER	421748.0000.0000	BY: AS/JR	DATE: 6/17/21	BY: JR	DATE: 10/19/2021

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

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

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

PURGING	TIME: ~~1220~~ 1340	DATE: 6/17/21
PURGE METHOD	☑ PUMP	☐ BAILER
DEPTH TO WATER: 27.05 T/ PVC		
DEPTH TO BOTTOM: T/ PVC		
WELL VOLUME:	☐ LITERS	☐ GALLONS
VOLUME REMOVED: 11	☒ LITERS	☐ GALLONS
COLOR: Reddish pink	ODOR: none	
TURBIDITY: ☐ NONE ☐ SLIGHT ☐ MODERATE ☑ VERY		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1435	DATE: 6/17/21
PH: 7.56 SU	CONDUCTIVITY: 546 umhos/cm	
DO: 0.90 mg/l	ORP: 6.7 mV	
TURBIDITY: 6.04 NA NTU		
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: °C	OTHER: --	
COLOR: Clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES	☐ NO	
FILT COLOR: Clear	FILT ODOR: none	
QC SAMPLE: ☐ MS/MSD	☐ DUP-	
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1345	200	13.0	564	10.33	7.59	177.8	104.87	27.75	1L
1350	200	12.2	555	6.27	7.59	90.0	53.50	27.75	2L
1355	200	11.5	549	3.00	7.58	37.0	24.59	27.80	3L
1400	200	11.4	547	2.17	7.58	26.5	23.57	27.79	4L
1405	200	11.3	546	1.67	7.58	20.5	17.93	27.78	5L
1410	200	11.4	546	1.29	7.57	15.4	12.77	27.80	6L
1415	200	11.2	546	1.12	7.57	12.1	10.90	27.80	7L
1420	200	11.4 ~~11.2~~	546	1.02	7.57	9.9	11.60	27.80	8L
1425	200		546	0.97	7.56	7.6	9.48	27.80	9L
1430	200	11.3	546	0.93	7.56	7.5	8.50	27.80	10L
1435	200	11.2	546	0.90	7.56	6.7	6.04	27.80	11L

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex — DATE SHIPPED: 6/ /21

SIGNATURE: [signature] — DATE SIGNED: 10/26/2021

Started pump at 12:20. Water entered the flow through cell at. Cleaned bladder pump and it is working a bit better

~~This well really [illegible], bladder pump might be faulty~~

TRC

WATER SAMPLE LOG

PROJECT NAME: FF/NN Landfill Ripon	PREPARED	CHECKED
PROJECT NUMBER: 421748.0000.0000	BY: AS/JR DATE: 6/18/21	BY: AS DATE: 10/26/2021

SAMPLE ID: P-117

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 7:25	DATE: 6/18/21
PURGE METHOD	☑ PUMP ☐ BAILER	
DEPTH TO WATER:	15.97 T/ PVC	
DEPTH TO BOTTOM:	16.54 T/ PVC	
WELL VOLUME:	– ☐ LITERS ☐ GALLONS	
VOLUME REMOVED:	6L ☒ LITERS ☐ GALLONS	
COLOR:	clear ODOR: NONE	
TURBIDITY	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
DISPOSAL METHOD:	☐ GROUND ☐ DRUM ☑ OTHER	

SAMPLE	TIME: 7:55	DATE: 6/18/21
PH: 7.30 SU	CONDUCTIVITY: 762.91 umhos/cm	
DO: 0.28 mg/l	ORP: -46.2 mV	
TURBIDITY: NA NTU		
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: 11.28 °C	OTHER: --	
COLOR: clear	ODOR: none	
FILTRATE (0.45 um) ☑ YES ☐ NO		
FILT COLOR: clear	FILT ODOR: none	
QC SAMPLE: ☐ MS/MSD	☐ DUP-	
COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
7:25	200	17.97	626.35	3.37	7.52	-38.8	NA	15.97	0
7:30	200	12.52	746.90	6.03	7.41	47.0	NA	16.00	1L
7:35	200	11.71	763.15	3.70	7.57	16.0	NA	16.04	2L
7:40	200	11.57	764.82	3.04	7.52	-8.3	NA	16.04	3L
7:46	200	11.26	761.47	0.42	7.29	-38.7	NA	16.04	4L
7:50	200	11.29	760.84	0.31	7.30	-45.8	NA	16.04	5L
7:55	200	11.28	762.91	0.28	7.30	-46.2	NA	16.04	6L
			Sampled @ 7:55						
		6/18/21							

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 6/ /21	
	SIGNATURE:	DATE SIGNED:

REVISED 03/2008

WATER SAMPLE LOG

TRC

PROJECT NAME	FF/NN Landfill Ripon	PREPARED		CHECKED	
PROJECT NUMBER	421748.0000.0000	BY: AS/JR	DATE: 6/18/21	BY: AS	DATE: 10/26/2021

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

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

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

PURGING	TIME: 8:30	DATE: 6/18/21	SAMPLE	TIME: 9:00	DATE: 6/18/21
PURGE METHOD:	☑ PUMP ☐ BAILER		PH: 7.44 SU	CONDUCTIVITY: 601.41	umhos/cm
			DO: 0.65 mg/l	ORP: -51.0	mV
DEPTH TO WATER:	8.25 T/ PVC		TURBIDITY: NA	NTU	
DEPTH TO BOTTOM:	167.80 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	- ☐ LITERS ☐ GALLONS		TEMPERATURE: 11.70 °C	OTHER:	--
VOLUME REMOVED:	6L ☒ LITERS ☐ GALLONS		COLOR: clear	ODOR: NONE	
COLOR:	clear ODOR: NONE		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILT COLOR: clear	FILT ODOR: none	
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Purge water was disposed at Ripon's WWTP		

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
8:30	200	11.83	604.76	2.49	7.51	-40.8	NA	8.25	0
8:35	200	11.71	601.02	1.95	7.45	-36.8	NA	8.94	1C
8:40	200	11.66	607.18	1.41	7.45	-39.8	NA	8.94	2L
8:45	200	11.75	604.79	0.99	7.45	-42.4	NA	8.94	3L
8:50	200	11.66	601.52	0.79	7.45	-45.9	NA	8.94	4L
8:55	200	11.80	602.77	0.75	7.45	-49.1	NA	8.94	5L
9:00	200	11.78	601.41	0.65	7.44	-51.0	NA	8.94	6L
			Sampled @ 9:00						
			6/18/21						

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	CLR PLST	B	☑ Y ☐ N
1	125 mL	CLR PLST	C	☐ Y ☑ N					☐ Y ☐ N
1	125 mL	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 6/ /21	
	SIGNATURE:	DATE SIGNED:

REVISED 03/2008

WATER SAMPLE LOG

PROJECT NAME	FF/NN Landfill Ripon	PREPARED		CHECKED	
PROJECT NUMBER	421748.0000.0000	BY: AS/JR	DATE: 6/17/21	BY: AS	DATE: 10/26/2021

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

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

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

PURGING	TIME: 16:26	DATE: 6/17/21

PURGE METHOD: ☑ PUMP ☐ BAILER

DEPTH TO WATER: — T/ PVC

DEPTH TO BOTTOM: — T/ PVC

WELL VOLUME: 20 gal/1in ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 80 ☐ LITERS ☒ GALLONS

COLOR: Clear ODOR: NONE

TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

SAMPLE	TIME: 16:30	DATE: 6/17/21

PH: SU — CONDUCTIVITY: umhos/cm

DO: mg/l — ORP: mV

TURBIDITY: NA NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: °C — OTHER: --

COLOR: — ODOR:

FILTRATE (0.45 um) ☑ YES ☒ NO

FILT COLOR: — FILT ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Purge water was disposed at Ripon's WWTP

TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	CONDUCTIVITY (umhos/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
16:30	2 l/min	17.34	5944	2.72	7.12	28.0	NA	—	

EPA 8242

VOC's only

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~~	~~CLR PLST~~	B	☐ Y ☐ N
~~1~~	~~125 mL~~	~~CLR PLST~~	C	☐ Y ☑ N					☐ Y ☐ N
~~1~~	~~125 mL~~	CLR PLST	A	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 6/ /21	
	SIGNATURE:	DATE SIGNED:

REVISED 03/2008

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

Technician(s): John Radke

Date: 6/17/21
Start Time: 10:30
End Time: 11:35

Gas/Instrument Type: **GEM 2000**
Serial No.: 11668
Date Last Calibrated: 6/17/21
Method: Standard Calibration Gases or Other
Pressure Instrument: Dwyer Manometer or other

Gas Probe	Time	Pwell (in.H_2O)	Methane (% LEL)	Methane (% by Vol.)	Carbon Dioxide (% by Vol.)	Oxygen (% by Vol.)
GP-1	11:33	0.0	23	1.1	10.3	1.0
GP-2	11:11	0.0	0.0	0.0	2.5	16.5
GP-2	wm					
GP-2	wm					
GP-3	10:51	0.0	0.0	0.0	0.6	20.0
GP-4	10:45	0.0	0.0	0.0	1.2	19.0
GP-5	11:29	0.0	0.0	0.0	6.8	12.2
GP-6	10:40	-0.09	0.0	0.0	0.6	19.6
GP-7	10:36	0.0	0.0	0.0	1.8	18.3
GP-8						
GP-10	11:07	0.0	0.0	0.0	2.1	18.2
GP-11	10:58	0.0	0.0	0.0	2.6	18.0
GP-12	11:20	0.0	0.0	0.0	1.4	19.4
MW-101	11:01	0.0	0.0	0.0	0.1	20.7
MW-102	11:25	0.0	0.0	0.0	0.6	19.1
MW-103	10:48	Open to ATM	0.0	0.0	0.1	20.6
MW-104	10:55	Open to ATM	0.0	0.0	0.1	20.6

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

Appendix C: Laboratory Analytical Report

CT LABORATORIES

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ANALYTICAL REPORT

This report at a minimum contains the following information:

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

CT LABORATORIES
delivering more than data from your environmental analyses

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

ANALYTICAL REPORT

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

Copy: ppopp@trccompanies.com

Project Name: RIPON FF/NN LANDFILL
Project Phase:
Project #: 421748
Folder #: 162588
Purchase Order #:
Contract #: 3276

Arrival Temperature: 2.7
Report Date: 7/7/2021
Date Received: 6/19/2021
Reprint Date: 7/7/2021

CT LAB#: 1017470 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 6/18/2021 10:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	89	mg/L	4.0	13	5			6/21/2021 20:37	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	14	mg/L	0.60	2.5	5			6/24/2021 15:58	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	2.0	ug/L	1.4 *	5.0	1			6/22/2021 19:04	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 10:11	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#: 1017470 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 6/18/2021 10:40

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			6/25/2021 10:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 10:11	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 10:11	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 10:11	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 10:11	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 10:11	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 10:11	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 10:11	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:11	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#: 1017470 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 6/18/2021 10:40

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			6/25/2021 10:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.13	ug/L	0.023	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 10:11	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 10:11	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 10:11	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Tetrachloroethene	0.24	ug/L	0.028	0.20	1			6/25/2021 10:11	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 10:11	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
Trichloroethene	1.1	ug/L	0.022	0.10	1			6/25/2021 10:11	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#: 1017470 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 6/18/2021 10:40

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			6/25/2021 10:11	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 10:11	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 10:11	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			6/25/2021 10:11	RLD	EPA 8260C
Bromofluorobenzene	102	% Recovery	70.0	130	1			6/25/2021 10:11	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 10:11	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			6/25/2021 10:11	RLD	EPA 8260C

CT LAB#: 1017471 Sample Description: MW-104 License/Well #: 00467/113 Sampled: 6/18/2021 11:55

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			6/25/2021 10:41	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 10:41	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 10:41	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 10:41	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 10:41	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 10:41	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,4-Dichlorobenzene	1.7	ug/L	0.017	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 10:41	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 10:41	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 10:41	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 10:41	RLD	EPA 8260C

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

CT LAB#: 1017471 Sample Description: MW-104 License/Well #: 00467/113 Sampled: 6/18/2021 11:55

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Acetone	1.00	ug/L	0.84	*	4.0	1	B		6/25/2021	10:41	RLD	EPA 8260C
Benzene	0.053	ug/L	0.022	*	0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			6/25/2021	10:41	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			6/25/2021	10:41	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			6/25/2021	10:41	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			6/25/2021	10:41	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Chlorobenzene	3.9	ug/L	0.013		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1			6/25/2021	10:41	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			6/25/2021	10:41	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.056	ug/L	0.023	*	0.10	1			6/25/2021	10:41	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			6/25/2021	10:41	RLD	EPA 8260C
Diisopropyl ether	0.038	ug/L	0.02	*	0.1	1			6/25/2021	10:41	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			6/25/2021	10:41	RLD	EPA 8260C
Isopropylbenzene	0.16	ug/L	0.014		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			6/25/2021	10:41	RLD	EPA 8260C
Methyl tert-butyl ether	0.066	ug/L	0.014	*	0.10	1			6/25/2021	10:41	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090		0.40	1			6/25/2021	10:41	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			6/25/2021	10:41	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			6/25/2021	10:41	RLD	EPA 8260C

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

CT LAB#: 1017471 Sample Description: MW-104 License/Well #: 00467/113 Sampled: 6/18/2021 11:55

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			6/25/2021 10:41	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
sec-Butylbenzene	0.078	ug/L	0.012 *	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 10:41	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 10:41	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 10:41	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 10:41	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 10:41	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			6/25/2021 10:41	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			6/25/2021 10:41	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 10:41	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			6/25/2021 10:41	RLD	EPA 8260C

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

CT LAB#: 1017472 Sample Description: MW-107 License/Well #: 00467/117 Sampled: 6/18/2021 09:47

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			6/25/2021 11:09	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 11:09	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 11:09	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 11:09	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 11:09	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 11:09	RLD	EPA 8260C

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

CT LAB#: 1017472 Sample Description: MW-107 License/Well #: 00467/117 Sampled: 6/18/2021 09:47

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			6/25/2021 11:09	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 11:09	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 11:09	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 11:09	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 11:09	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 11:09	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C

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

CT LAB#: 1017472 Sample Description: MW-107 License/Well #: 00467/117 Sampled: 6/18/2021 09:47

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			6/25/2021 11:09	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 11:09	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 11:09	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1	M		6/25/2021 11:09	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 11:09	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 11:09	RLD	EPA 8260C
1,2 Dichloroethane-d4	95.0	% Recovery	70.0	130	1			6/25/2021 11:09	RLD	EPA 8260C
Bromofluorobenzene	98.0	% Recovery	70.0	130	1			6/25/2021 11:09	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 11:09	RLD	EPA 8260C
Dibromofluoromethane	98.0	% Recovery	70.0	130	1			6/25/2021 11:09	RLD	EPA 8260C

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

CT LAB#: 1017473 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 6/18/2021 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	56	mg/L	4.0	13	5			6/21/2021 20:56	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	0.77	mg/L	0.12	0.5	1			6/24/2021 14:29	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	321	ug/L	1.4	5.0	1			6/22/2021 19:48	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 11:38	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 11:38	RLD	EPA 8260C

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

CT LAB#: 1017473 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 6/18/2021 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 11:38	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 11:38	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 11:38	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 11:38	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 11:38	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 11:38	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Chlorobenzene	0.083	ug/L	0.013 *	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 11:38	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.059	ug/L	0.023 *	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 11:38	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 11:38	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 11:38	RLD	EPA 8260C

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

CT LAB#: 1017473 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 6/18/2021 11:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 11:38	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Tetrachloroethene	0.084	ug/L	0.028 *	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 11:38	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Trichloroethene	0.30	ug/L	0.022	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 11:38	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 11:38	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 11:38	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			6/25/2021 11:38	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			6/25/2021 11:38	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 11:38	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 11:38	RLD	EPA 8260C

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

CT LAB#: 1017474 Sample Description: P-103 License/Well #: 00467/114 Sampled: 6/18/2021 10:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	57	mg/L	4.0	13	5			6/21/2021 21:16	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:30	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	78.7	ug/L	1.4	5.0	1			6/22/2021 19:56	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 12:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 12:07	RLD	EPA 8260C

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

CT LAB#: 1017474 Sample Description: P-103 License/Well #: 00467/114 Sampled: 6/18/2021 10:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 12:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 12:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 12:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 12:07	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 12:07	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 12:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 12:07	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 12:07	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 12:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 12:07	RLD	EPA 8260C

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

CT LAB#: 1017474 Sample Description: P-103 License/Well #: 00467/114 Sampled: 6/18/2021 10:00

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			6/25/2021 12:07	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 12:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 12:07	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 12:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 12:07	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 12:07	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			6/25/2021 12:07	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/25/2021 12:07	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 12:07	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			6/25/2021 12:07	RLD	EPA 8260C

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

CT LAB#: 1017476 Sample Description: P-106 License/Well #: 00467/116 Sampled: 6/18/2021 07:45

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			6/25/2021 12:36	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 12:36	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 12:36	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 12:36	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 12:36	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 12:36	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#: 1017476 Sample Description: P-106 License/Well #: 00467/116 Sampled: 6/18/2021 07:45

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			6/25/2021 12:36	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 12:36	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 12:36	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 12:36	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 12:36	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 12:36	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	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#: 1017476 Sample Description: P-106 License/Well #: 00467/116 Sampled: 6/18/2021 07:45

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			6/25/2021 12:36	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 12:36	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Trichloroethene	0.14	ug/L	0.022	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 12:36	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 12:36	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 12:36	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			6/25/2021 12:36	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			6/25/2021 12:36	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 12:36	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 12:36	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#: 1017477 Sample Description: P-107 License/Well #: 00467/118 Sampled: 6/18/2021 10:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	87	mg/L	4.0	13	5			6/21/2021 22:33	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:32	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	88.3	ug/L	1.4	5.0	1			6/22/2021 20:04	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 13:05	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 13:05	RLD	EPA 8260C

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

CT LAB#: 1017477 Sample Description: P-107 License/Well #: 00467/118 Sampled: 6/18/2021 10:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 13:05	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 13:05	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 13:05	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 13:05	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 13:05	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 13:05	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 13:05	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.27	ug/L	0.023	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 13:05	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 13:05	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 13:05	RLD	EPA 8260C

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

CT LAB#: 1017477 Sample Description: P-107 License/Well #: 00467/118 Sampled: 6/18/2021 10:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 13:05	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 13:05	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Trichloroethene	0.084	ug/L	0.022 *	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 13:05	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 13:05	RLD	EPA 8260C
Vinyl chloride	0.74	ug/L	0.019	0.10	1			6/25/2021 13:05	RLD	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	70.0	130	1			6/25/2021 13:05	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			6/25/2021 13:05	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 13:05	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			6/25/2021 13:05	RLD	EPA 8260C

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

CT LAB#: 1017478 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 6/18/2021 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	58	mg/L	4.0	13	5			6/21/2021 22:52	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:33	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	73.3	ug/L	1.4	5.0	1			6/22/2021 20:12	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 13:34	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 13:34	RLD	EPA 8260C

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

CT LAB#: 1017478 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 6/18/2021 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 13:34	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 13:34	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 13:34	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 13:34	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 13:34	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 13:34	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 13:34	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 13:34	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 13:34	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 13:34	RLD	EPA 8260C

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

CT LAB#: 1017478 Sample Description: MW-3B License/Well #: 00467/134 Sampled: 6/18/2021 07:15

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 13:34	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 13:34	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 13:34	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 13:34	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 13:34	RLD	EPA 8260C
1,2 Dichloroethane-d4	100	% Recovery	70.0	130	1			6/25/2021 13:34	RLD	EPA 8260C
Bromofluorobenzene	98.0	% Recovery	70.0	130	1			6/25/2021 13:34	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 13:34	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 13:34	RLD	EPA 8260C

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

CT LAB#: 1017479 Sample Description: P-103D License/Well #: 00467/141 Sampled: 6/18/2021 08:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	70	mg/L	4.0	13	5			6/21/2021 23:11	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:34	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	82.0	ug/L	1.4	5.0	1			6/22/2021 20:20	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 14:03	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 14:03	RLD	EPA 8260C

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

CT LAB#: 1017479 Sample Description: P-103D License/Well #: 00467/141 Sampled: 6/18/2021 08:45

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 14:03	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 14:03	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 14:03	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 14:03	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 14:03	RLD	EPA 8260C
Benzene	0.032	ug/L	0.022 *	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 14:03	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 14:03	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.31	ug/L	0.023	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 14:03	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 14:03	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 14:03	RLD	EPA 8260C

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

CT LAB#: 1017479 Sample Description: P-103D License/Well #: 00467/141 Sampled: 6/18/2021 08:45

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			6/25/2021 14:03	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 14:03	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 14:03	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Trichloroethene	0.075	ug/L	0.022 *	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 14:03	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 14:03	RLD	EPA 8260C
Vinyl chloride	0.24	ug/L	0.019	0.10	1			6/25/2021 14:03	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			6/25/2021 14:03	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			6/25/2021 14:03	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 14:03	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			6/25/2021 14:03	RLD	EPA 8260C

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

CT LAB#: 1017480 Sample Description: P-111D License/Well #: 00467/130 Sampled: 6/17/2021 16:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	58	mg/L	4.0	13	5			6/21/2021 23:30	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:35	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	30.5	ug/L	1.4	5.0	1			6/22/2021 20:28	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 14:31	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 14:31	RLD	EPA 8260C

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

CT LAB#: 1017480 Sample Description: P-111D License/Well #: 00467/130 Sampled: 6/17/2021 16:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 14:31	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 14:31	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 14:31	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 14:31	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 14:31	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 14:31	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Chloroethane	0.76	ug/L	0.40 *	1.5	1			6/25/2021 14:31	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
cis-1,2-Dichloroethene	3.3	ug/L	0.023	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 14:31	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 14:31	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 14:31	RLD	EPA 8260C

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

CT LAB#: 1017480 Sample Description: P-111D License/Well #: 00467/130 Sampled: 6/17/2021 16:10

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 14:31	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 14:31	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 14:31	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 14:31	RLD	EPA 8260C
Vinyl chloride	3.2	ug/L	0.019	0.10	1			6/25/2021 14:31	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			6/25/2021 14:31	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/25/2021 14:31	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 14:31	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 14:31	RLD	EPA 8260C

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

CT LAB#: 1017481 Sample Description: P-113B License/Well #: 00467/138 Sampled: 6/17/2021 08:55

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			6/21/2021 23:49	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:36	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	36.0	ug/L	1.4	5.0	1			6/22/2021 20:36	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 15:00	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:00	RLD	EPA 8260C

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

CT LAB#: 1017481 Sample Description: P-113B License/Well #: 00467/138 Sampled: 6/17/2021 08:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 15:00	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 15:00	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 15:00	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 15:00	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 15:00	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 15:00	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 15:00	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 15:00	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 15:00	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 15:00	RLD	EPA 8260C

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

CT LAB#: 1017481 Sample Description: P-113B License/Well #: 00467/138 Sampled: 6/17/2021 08:55

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			6/25/2021 15:00	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 15:00	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 15:00	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 15:00	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 15:00	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:00	RLD	EPA 8260C
1,2 Dichloroethane-d4	98.0	% Recovery	70.0	130	1			6/25/2021 15:00	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/25/2021 15:00	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 15:00	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			6/25/2021 15:00	RLD	EPA 8260C

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

CT LAB#: 1017482 Sample Description: P-114 License/Well #: 00467/140 Sampled: 6/17/2021 12:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	65	mg/L	0.8	2.5	1			6/22/2021 00:09	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:40	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	59.4	ug/L	1.4	5.0	1			6/22/2021 20:45	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 15:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:29	RLD	EPA 8260C

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

CT LAB#: 1017482 Sample Description: P-114 License/Well #: 00467/140 Sampled: 6/17/2021 12:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 15:29	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 15:29	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 15:29	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 15:29	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 15:29	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 15:29	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 15:29	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.9	ug/L	0.023	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 15:29	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 15:29	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 15:29	RLD	EPA 8260C

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

CT LAB#: 1017482 Sample Description: P-114 License/Well #: 00467/140 Sampled: 6/17/2021 12:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 15:29	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 15:29	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 15:29	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 15:29	RLD	EPA 8260C
Vinyl chloride	8.0	ug/L	0.019	0.10	1			6/25/2021 15:29	RLD	EPA 8260C
1,2 Dichloroethane-d4	101	% Recovery	70.0	130	1			6/25/2021 15:29	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/25/2021 15:29	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 15:29	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 15:29	RLD	EPA 8260C

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

CT LAB#: 1017483 Sample Description: P-115 License/Well #: 00467/142 Sampled: 6/17/2021 11:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	35	mg/L	0.8	2.5	1			6/22/2021 00:28	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:41	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	109	ug/L	1.4	5.0	1			6/22/2021 21:14	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 15:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 15:58	RLD	EPA 8260C

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

CT LAB#: 1017483 Sample Description: P-115 License/Well #: 00467/142 Sampled: 6/17/2021 11:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 15:58	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 15:58	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 15:58	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 15:58	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 15:58	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 15:58	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 15:58	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.21	ug/L	0.023	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 15:58	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 15:58	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 15:58	RLD	EPA 8260C

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

CT LAB#: 1017483 Sample Description: P-115 License/Well #: 00467/142 Sampled: 6/17/2021 11:05

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 15:58	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 15:58	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 15:58	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 15:58	RLD	EPA 8260C
Vinyl chloride	0.53	ug/L	0.019	0.10	1			6/25/2021 15:58	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			6/25/2021 15:58	RLD	EPA 8260C
Bromofluorobenzene	98.0	% Recovery	70.0	130	1			6/25/2021 15:58	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 15:58	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 15:58	RLD	EPA 8260C

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

CT LAB#: 1017484 Sample Description: P-116 License/Well #: 00467/143 Sampled: 6/17/2021 14:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	14	mg/L	0.8	2.5	1			6/22/2021 00:47	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:42	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	71.7	ug/L	1.4	5.0	1			6/22/2021 21:23	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 16:27	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 16:27	RLD	EPA 8260C

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

CT LAB#: 1017484 Sample Description: P-116 License/Well #: 00467/143 Sampled: 6/17/2021 14:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 16:27	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 16:27	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 16:27	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 16:27	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 16:27	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 16:27	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 16:27	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 16:27	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 16:27	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 16:27	RLD	EPA 8260C

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

CT LAB#: 1017484 Sample Description: P-116 License/Well #: 00467/143 Sampled: 6/17/2021 14:35

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 16:27	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 16:27	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 16:27	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 16:27	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 16:27	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			6/25/2021 16:27	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/25/2021 16:27	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 16:27	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			6/25/2021 16:27	RLD	EPA 8260C

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

CT LAB#: 1017485 Sample Description: P-117 License/Well #: 00467/144 Sampled: 6/18/2021 07:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	58	mg/L	4.0	13	5			6/22/2021 01:06	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:49	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	199	ug/L	1.4	5.0	1			6/22/2021 21:31	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 16:55	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 16:55	RLD	EPA 8260C

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

CT LAB#: 1017485 Sample Description: P-117 License/Well #: 00467/144 Sampled: 6/18/2021 07:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 16:55	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 16:55	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 16:55	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 16:55	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 16:55	RLD	EPA 8260C
Benzene	0.022	ug/L	0.022 *	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 16:55	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 16:55	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
cis-1,2-Dichloroethene	0.75	ug/L	0.023	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 16:55	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 16:55	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 16:55	RLD	EPA 8260C

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

CT LAB#: 1017485 Sample Description: P-117 License/Well #: 00467/144 Sampled: 6/18/2021 07:55

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			6/25/2021 16:55	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 16:55	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 16:55	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 16:55	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 16:55	RLD	EPA 8260C
Vinyl chloride	1.1	ug/L	0.019	0.10	1			6/25/2021 16:55	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			6/25/2021 16:55	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			6/25/2021 16:55	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 16:55	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 16:55	RLD	EPA 8260C

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

CT LAB#: 1017486 Sample Description: P-118 License/Well #: 00467/145 Sampled: 6/18/2021 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	30	mg/L	0.8	2.5	1			6/22/2021 01:26	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:55	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	62.7	ug/L	1.4	5.0	1			6/22/2021 21:39	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 17:24	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 17:24	RLD	EPA 8260C

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

CT LAB#: 1017486 Sample Description: P-118 License/Well #: 00467/145 Sampled: 6/18/2021 09:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 17:24	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 17:24	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 17:24	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 17:24	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 17:24	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
Carbon disulfide	0.12	ug/L	0.11 *	0.40	1			6/25/2021 17:24	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 17:24	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 17:24	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 17:24	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 17:24	RLD	EPA 8260C

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

CT LAB#: 1017486 Sample Description: P-118 License/Well #: 00467/145 Sampled: 6/18/2021 09:00

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			6/25/2021 17:24	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 17:24	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 17:24	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 17:24	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 17:24	RLD	EPA 8260C
Vinyl chloride	0.087	ug/L	0.019 *	0.10	1			6/25/2021 17:24	RLD	EPA 8260C
1,2 Dichloroethane-d4	99.0	% Recovery	70.0	130	1			6/25/2021 17:24	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/25/2021 17:24	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/25/2021 17:24	RLD	EPA 8260C
Dibromofluoromethane	99.0	% Recovery	70.0	130	1			6/25/2021 17:24	RLD	EPA 8260C

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

CT LAB#: 1017607 Sample Description: RHODE License/Well #: 00467/207 Sampled: 6/17/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.93	1			6/30/2021 21:37	DGS	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1.6	1			6/30/2021 21:37	DGS	EPA 524.2
1,1,2-Trichloroethane	<0.4	ug/L	0.4	1.3	1			6/30/2021 21:37	DGS	EPA 524.2
1,1-Dichloroethane	<0.28	ug/L	0.28	0.95	1			6/30/2021 21:37	DGS	EPA 524.2
1,1-Dichloroethene	<0.3	ug/L	0.3	1.1	1			6/30/2021 21:37	DGS	EPA 524.2
1,1-Dichloropropene	<0.3	ug/L	0.3	1.1	1			6/30/2021 21:37	DGS	EPA 524.2
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1.6	1			6/30/2021 21:37	DGS	EPA 524.2
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	1			6/30/2021 21:37	DGS	EPA 524.2
1,2,4-Trichlorobenzene	<0.4	ug/L	0.4	1.4	1			6/30/2021 21:37	DGS	EPA 524.2
1,2,4-Trimethylbenzene	<0.3	ug/L	0.3	1.1	1			6/30/2021 21:37	DGS	EPA 524.2
1,2-Dichlorobenzene	<0.4	ug/L	0.4	1.2	1			6/30/2021 21:37	DGS	EPA 524.2
1,2-Dichloroethane	<0.23	ug/L	0.23	0.76	1			6/30/2021 21:37	DGS	EPA 524.2
1,2-Dichloropropane	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
1,3,5-Trimethylbenzene	<0.29	ug/L	0.29	0.98	1			6/30/2021 21:37	DGS	EPA 524.2
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			6/30/2021 21:37	DGS	EPA 524.2
1,3-Dichloropropane	<0.3	ug/L	0.3	1.1	1			6/30/2021 21:37	DGS	EPA 524.2
1,4-Dichlorobenzene	<0.29	ug/L	0.29	0.98	1			6/30/2021 21:37	DGS	EPA 524.2
2,2-Dichloropropane	<0.4	ug/L	0.4	1.2	1			6/30/2021 21:37	DGS	EPA 524.2
2-Chlorotoluene	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
4-Chlorotoluene	<0.4	ug/L	0.4	1.2	1			6/30/2021 21:37	DGS	EPA 524.2
Benzene	<0.26	ug/L	0.26	0.87	1			6/30/2021 21:37	DGS	EPA 524.2
Bromobenzene	<0.4	ug/L	0.4	1.4	1			6/30/2021 21:37	DGS	EPA 524.2
Bromochloromethane	<0.4	ug/L	0.4	1.2	1			6/30/2021 21:37	DGS	EPA 524.2
Bromodichloromethane	<0.24	ug/L	0.24	0.81	1			6/30/2021 21:37	DGS	EPA 524.2
Bromoform	<0.4	ug/L	0.4	1.2	1			6/30/2021 21:37	DGS	EPA 524.2

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

CT LAB#: 1017607 Sample Description: RHODE License/Well #: 00467/207 Sampled: 6/17/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.4	ug/L	0.4	1.4	1			6/30/2021 21:37	DGS	EPA 524.2
Carbon tetrachloride	<0.28	ug/L	0.28	0.94	1			6/30/2021 21:37	DGS	EPA 524.2
Chlorobenzene	<0.25	ug/L	0.25	0.84	1			6/30/2021 21:37	DGS	EPA 524.2
Chlorodibromomethane	<0.4	ug/L	0.4	1.4	1			6/30/2021 21:37	DGS	EPA 524.2
Chloroethane	<0.3	ug/L	0.3	1.3	1			6/30/2021 21:37	DGS	EPA 524.2
Chloroform	<0.23	ug/L	0.23	0.78	1			6/30/2021 21:37	DGS	EPA 524.2
Chloromethane	<0.19	ug/L	0.19	0.63	1			6/30/2021 21:37	DGS	EPA 524.2
cis-1,2-Dichloroethene	<0.28	ug/L	0.28	0.94	1			6/30/2021 21:37	DGS	EPA 524.2
cis-1,3-Dichloropropene	<0.22	ug/L	0.22	0.73	1			6/30/2021 21:37	DGS	EPA 524.2
Dibromomethane	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
Dichlorodifluoromethane	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
Ethylbenzene	<0.27	ug/L	0.27	0.89	1			6/30/2021 21:37	DGS	EPA 524.2
Hexachlorobutadiene	<0.4	ug/L	0.4	1.4	1			6/30/2021 21:37	DGS	EPA 524.2
Isopropylbenzene	<0.29	ug/L	0.29	0.98	1			6/30/2021 21:37	DGS	EPA 524.2
Methyl tert-butyl ether	<0.26	ug/L	0.26	0.86	1			6/30/2021 21:37	DGS	EPA 524.2
Methylene chloride	<0.30	ug/L	0.30	0.99	1			6/30/2021 21:37	DGS	EPA 524.2
n-Butylbenzene	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
n-Propylbenzene	<0.26	ug/L	0.26	0.85	1			6/30/2021 21:37	DGS	EPA 524.2
Naphthalene	<0.5	ug/L	0.5	1.5	1			6/30/2021 21:37	DGS	EPA 524.2
p-Isopropyltoluene	<0.25	ug/L	0.25	0.82	1			6/30/2021 21:37	DGS	EPA 524.2
sec-Butylbenzene	<0.26	ug/L	0.26	0.85	1			6/30/2021 21:37	DGS	EPA 524.2
Styrene	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
tert-Butylbenzene	<0.24	ug/L	0.24	0.80	1			6/30/2021 21:37	DGS	EPA 524.2
Tetrachloroethene	<0.26	ug/L	0.26	0.87	1			6/30/2021 21:37	DGS	EPA 524.2
Toluene	<0.25	ug/L	0.25	0.84	1			6/30/2021 21:37	DGS	EPA 524.2
Total Xylene	<0.26	ug/L	0.26	0.88	1			6/30/2021 21:37	DGS	EPA 524.2
trans-1,2-Dichloroethene	<0.23	ug/L	0.23	0.75	1			6/30/2021 21:37	DGS	EPA 524.2

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

CT LAB#: 1017607 Sample Description: RHODE License/Well #: 00467/207 Sampled: 6/17/2021 16:30

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			6/30/2021 21:37	DGS	EPA 524.2
Trichloroethene	<0.3	ug/L	0.3	1.0	1			6/30/2021 21:37	DGS	EPA 524.2
Trichlorofluoromethane	<0.24	ug/L	0.24	0.80	1			6/30/2021 21:37	DGS	EPA 524.2
Vinyl chloride	<0.17	ug/L	0.17	0.58	1			6/30/2021 21:37	DGS	EPA 524.2
1,2-Dichlorobenzene-d4	101	% Recovery	80.0	120	1			6/30/2021 21:37	DGS	EPA 524.2
Bromofluorobenzene	99.0	% Recovery	80.0	120	1			6/30/2021 21:37	DGS	EPA 524.2

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

CT LAB#: 1017608 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 6/17/2021 17:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	21	mg/L	0.8	2.5	1			6/22/2021 02:23	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:56	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	418	ug/L	1.4	5.0	1			6/22/2021 21:47	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 17:53	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 17:53	RLD	EPA 8260C

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

CT LAB#: 1017608 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 6/17/2021 17:55

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 17:53	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 17:53	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 17:53	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 17:53	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 17:53	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 17:53	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 17:53	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 17:53	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 17:53	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 17:53	RLD	EPA 8260C

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

CT LAB#: 1017608 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 6/17/2021 17:55

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			6/25/2021 17:53	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 17:53	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 17:53	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 17:53	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 17:53	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 17:53	RLD	EPA 8260C
1,2 Dichloroethane-d4	97.0	% Recovery	70.0	130	1			6/25/2021 17:53	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			6/25/2021 17:53	RLD	EPA 8260C
d8-Toluene	99.0	% Recovery	70.0	130	1			6/25/2021 17:53	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 17:53	RLD	EPA 8260C

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

CT LAB#: 1017609 Sample Description: P-113A License/Well #: 00467/136 Sampled: 6/17/2021 09:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	13	mg/L	0.8	2.5	1			6/22/2021 02:43	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:57	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	12.3	ug/L	1.4	5.0	1			6/22/2021 21:55	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/25/2021 18:22	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/25/2021 18:22	RLD	EPA 8260C

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

CT LAB#: 1017609 Sample Description: P-113A License/Well #: 00467/136 Sampled: 6/17/2021 09:50

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1			6/25/2021 18:22	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/25/2021 18:22	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/25/2021 18:22	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/25/2021 18:22	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/25/2021 18:22	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/25/2021 18:22	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/25/2021 18:22	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/25/2021 18:22	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/25/2021 18:22	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/25/2021 18:22	RLD	EPA 8260C

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

CT LAB#: 1017609 Sample Description: P-113A License/Well #: 00467/136 Sampled: 6/17/2021 09:50

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			6/25/2021 18:22	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/25/2021 18:22	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/25/2021 18:22	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/25/2021 18:22	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/25/2021 18:22	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/25/2021 18:22	RLD	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	70.0	130	1			6/25/2021 18:22	RLD	EPA 8260C
Bromofluorobenzene	100	% Recovery	70.0	130	1			6/25/2021 18:22	RLD	EPA 8260C
d8-Toluene	101	% Recovery	70.0	130	1			6/25/2021 18:22	RLD	EPA 8260C
Dibromofluoromethane	101	% Recovery	70.0	130	1			6/25/2021 18:22	RLD	EPA 8260C

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

CT LAB#: 1017610 Sample Description: LC-1 License/Well #: 00467/301 Sampled: 6/18/2021 11:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Qualifiers applying to all Analytes of Method EPA 8260C: V,T										
1,1,1,2-Tetrachloroethane	<8.0	ug/L	8.0	28	20			6/28/2021 16:51	DGS	EPA 8260C
1,1,1-Trichloroethane	<5.8	ug/L	5.8	20	20			6/28/2021 16:51	DGS	EPA 8260C
1,1,2,2-Tetrachloroethane	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
1,1,2-Trichloroethane	<6.0	ug/L	6.0	20	20			6/28/2021 16:51	DGS	EPA 8260C
1,1-Dichloroethane	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
1,1-Dichloroethene	<8.0	ug/L	8.0	24	20			6/28/2021 16:51	DGS	EPA 8260C
1,1-Dichloropropene	<6.0	ug/L	6.0	20	20			6/28/2021 16:51	DGS	EPA 8260C
1,2,3-Trichlorobenzene	<4.6	ug/L	4.6	15	20			6/28/2021 16:51	DGS	EPA 8260C
1,2,3-Trichloropropane	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
1,2,4-Trichlorobenzene	<5.6	ug/L	5.6	19	20			6/28/2021 16:51	DGS	EPA 8260C
1,2,4-Trimethylbenzene	50	ug/L	5.8	19	20			6/28/2021 16:51	DGS	EPA 8260C
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	16	20			6/28/2021 16:51	DGS	EPA 8260C
1,2-Dibromoethane	<6.0	ug/L	6.0	20	20			6/28/2021 16:51	DGS	EPA 8260C
1,2-Dichlorobenzene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
1,2-Dichloroethane	<4.8	ug/L	4.8	16	20			6/28/2021 16:51	DGS	EPA 8260C
1,2-Dichloropropane	<3.6	ug/L	3.6	12	20			6/28/2021 16:51	DGS	EPA 8260C
1,3,5-Trimethylbenzene	18	ug/L	5.4	18	20			6/28/2021 16:51	DGS	EPA 8260C
1,3-Dichlorobenzene	<5.2	ug/L	5.2	17	20			6/28/2021 16:51	DGS	EPA 8260C
1,3-Dichloropropane	<3.4	ug/L	3.4	11	20			6/28/2021 16:51	DGS	EPA 8260C
1,4-Dichlorobenzene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
2,2-Dichloropropane	<6.0	ug/L	6.0	20	20			6/28/2021 16:51	DGS	EPA 8260C
2-Butanone	<52	ug/L	52	180	20			6/28/2021 16:51	DGS	EPA 8260C
2-Chlorotoluene	<5.0	ug/L	5.0	17	20			6/28/2021 16:51	DGS	EPA 8260C
2-Hexanone	<60	ug/L	60	200	20			6/28/2021 16:51	DGS	EPA 8260C

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

CT LAB#: 1017610 Sample Description: LC-1 License/Well #: 00467/301 Sampled: 6/18/2021 11:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: V,T										
4-Chlorotoluene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
4-Methyl-2-pentanone	<44	ug/L	44	150	20			6/28/2021 16:51	DGS	EPA 8260C
Acetone	<80	ug/L	80	240	20			6/28/2021 16:51	DGS	EPA 8260C
Benzene	<8.0	ug/L	8.0	28	20			6/28/2021 16:51	DGS	EPA 8260C
Bromobenzene	<8.0	ug/L	8.0	26	20			6/28/2021 16:51	DGS	EPA 8260C
Bromochloromethane	<6.0	ug/L	6.0	20	20			6/28/2021 16:51	DGS	EPA 8260C
Bromodichloromethane	<5.8	ug/L	5.8	19	20			6/28/2021 16:51	DGS	EPA 8260C
Bromoform	<8.0	ug/L	8.0	26	20			6/28/2021 16:51	DGS	EPA 8260C
Bromomethane	<18	ug/L	18	62	20			6/28/2021 16:51	DGS	EPA 8260C
Carbon disulfide	<12	ug/L	12	38	20			6/28/2021 16:51	DGS	EPA 8260C
Carbon tetrachloride	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
Chlorobenzene	6.0	ug/L	6.0 *	22	20			6/28/2021 16:51	DGS	EPA 8260C
Chloroethane	<10	ug/L	10	32	20			6/28/2021 16:51	DGS	EPA 8260C
Chloroform	<6.0	ug/L	6.0	24	20			6/28/2021 16:51	DGS	EPA 8260C
Chloromethane	<12	ug/L	12	42	20			6/28/2021 16:51	DGS	EPA 8260C
cis-1,2-Dichloroethene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
cis-1,3-Dichloropropene	<3.2	ug/L	3.2	11	20			6/28/2021 16:51	DGS	EPA 8260C
Dibromochloromethane	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
Dibromomethane	<4.4	ug/L	4.4	15	20			6/28/2021 16:51	DGS	EPA 8260C
Dichlorodifluoromethane	<8.0	ug/L	8.0	26	20			6/28/2021 16:51	DGS	EPA 8260C
Diisopropyl ether	<8.0	ug/L	8.0	26	20			6/28/2021 16:51	DGS	EPA 8260C
Ethylbenzene	17	ug/L	6.0 *	22	20			6/28/2021 16:51	DGS	EPA 8260C
Hexachlorobutadiene	<8.0	ug/L	8.0	24	20			6/28/2021 16:51	DGS	EPA 8260C
Isopropylbenzene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
m & p-Xylene	120	ug/L	14	48	20			6/28/2021 16:51	DGS	EPA 8260C

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

CT LAB#: 1017610 Sample Description: LC-1 License/Well #: 00467/301 Sampled: 6/18/2021 11:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: V,T										
Methyl tert-butyl ether	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
Methylene chloride	19	ug/L	8.0 *	30	20			6/28/2021 16:51	DGS	EPA 8260C
n-Butylbenzene	<5.8	ug/L	5.8	20	20			6/28/2021 16:51	DGS	EPA 8260C
n-Propylbenzene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
Naphthalene	51	ug/L	6.0	20	20			6/28/2021 16:51	DGS	EPA 8260C
o-Xylene	9.0	ug/L	5.2 *	18	20			6/28/2021 16:51	DGS	EPA 8260C
p-Isopropyltoluene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
sec-Butylbenzene	<8.0	ug/L	8.0	24	20			6/28/2021 16:51	DGS	EPA 8260C
Styrene	<5.8	ug/L	5.8	19	20			6/28/2021 16:51	DGS	EPA 8260C
tert-Butylbenzene	<8.0	ug/L	8.0	24	20			6/28/2021 16:51	DGS	EPA 8260C
Tetrachloroethene	<5.4	ug/L	5.4	18	20			6/28/2021 16:51	DGS	EPA 8260C
Tetrahydrofuran	200	ug/L	60	200	20			6/28/2021 16:51	DGS	EPA 8260C
Toluene	<4.2	ug/L	4.2	14	20			6/28/2021 16:51	DGS	EPA 8260C
trans-1,2-Dichloroethene	<6.0	ug/L	6.0	24	20			6/28/2021 16:51	DGS	EPA 8260C
trans-1,3-Dichloropropene	<4.6	ug/L	4.6	15	20			6/28/2021 16:51	DGS	EPA 8260C
Trichloroethene	<6.0	ug/L	6.0	22	20			6/28/2021 16:51	DGS	EPA 8260C
Trichlorofluoromethane	<8.0	ug/L	8.0	28	20			6/28/2021 16:51	DGS	EPA 8260C
Vinyl acetate	<100	ug/L	100	340	20	Y		6/28/2021 16:51	DGS	EPA 8260C
Vinyl chloride	<2.8	ug/L	2.8	9.2	20			6/28/2021 16:51	DGS	EPA 8260C
1,2 Dichloroethane-d4	103	% Recovery	88.0	113	1			6/28/2021 16:51	DGS	EPA 8260C
Bromofluorobenzene	102	% Recovery	82.0	114	1			6/28/2021 16:51	DGS	EPA 8260C
d8-Toluene	100	% Recovery	90.0	110	1			6/28/2021 16:51	DGS	EPA 8260C
Dibromofluoromethane	105	% Recovery	88.0	112	1			6/28/2021 16:51	DGS	EPA 8260C

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

CT LAB#: 1017611 Sample Description: LC-2 License/Well #: 00467/302 Sampled: 6/18/2021 11:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Qualifiers applying to all Analytes of Method EPA 8260C: T										
1,1,1,2-Tetrachloroethane	<4.0	ug/L	4.0	14	10			6/28/2021 17:21	DGS	EPA 8260C
1,1,1-Trichloroethane	<2.9	ug/L	2.9	9.8	10			6/28/2021 17:21	DGS	EPA 8260C
1,1,2,2-Tetrachloroethane	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
1,1,2-Trichloroethane	<3.0	ug/L	3.0	9.9	10			6/28/2021 17:21	DGS	EPA 8260C
1,1-Dichloroethane	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
1,1-Dichloroethene	<4.0	ug/L	4.0	12	10			6/28/2021 17:21	DGS	EPA 8260C
1,1-Dichloropropene	<3.0	ug/L	3.0	10	10			6/28/2021 17:21	DGS	EPA 8260C
1,2,3-Trichlorobenzene	<2.3	ug/L	2.3	7.7	10			6/28/2021 17:21	DGS	EPA 8260C
1,2,3-Trichloropropane	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
1,2,4-Trichlorobenzene	<2.8	ug/L	2.8	9.3	10			6/28/2021 17:21	DGS	EPA 8260C
1,2,4-Trimethylbenzene	73	ug/L	2.9	9.6	10			6/28/2021 17:21	DGS	EPA 8260C
1,2-Dibromo-3-chloropropane	<2.5	ug/L	2.5	8.2	10			6/28/2021 17:21	DGS	EPA 8260C
1,2-Dibromoethane	<3.0	ug/L	3.0	10	10			6/28/2021 17:21	DGS	EPA 8260C
1,2-Dichlorobenzene	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
1,2-Dichloroethane	<2.4	ug/L	2.4	8.1	10			6/28/2021 17:21	DGS	EPA 8260C
1,2-Dichloropropane	<1.8	ug/L	1.8	6.1	10			6/28/2021 17:21	DGS	EPA 8260C
1,3,5-Trimethylbenzene	12	ug/L	2.7	8.9	10			6/28/2021 17:21	DGS	EPA 8260C
1,3-Dichlorobenzene	<2.6	ug/L	2.6	8.7	10			6/28/2021 17:21	DGS	EPA 8260C
1,3-Dichloropropane	<1.7	ug/L	1.7	5.7	10			6/28/2021 17:21	DGS	EPA 8260C
1,4-Dichlorobenzene	15	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
2,2-Dichloropropane	<3.0	ug/L	3.0	9.9	10			6/28/2021 17:21	DGS	EPA 8260C
2-Butanone	<26	ug/L	26	88	10			6/28/2021 17:21	DGS	EPA 8260C
2-Chlorotoluene	<2.5	ug/L	2.5	8.4	10			6/28/2021 17:21	DGS	EPA 8260C
2-Hexanone	<30	ug/L	30	100	10			6/28/2021 17:21	DGS	EPA 8260C

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

CT LAB#: 1017611 Sample Description: LC-2 License/Well #: 00467/302 Sampled: 6/18/2021 11:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
4-Chlorotoluene	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
4-Methyl-2-pentanone	<22	ug/L	22	74	10			6/28/2021 17:21	DGS	EPA 8260C
Acetone	<40	ug/L	40	120	10			6/28/2021 17:21	DGS	EPA 8260C
Benzene	12	ug/L	4.0 *	14	10			6/28/2021 17:21	DGS	EPA 8260C
Bromobenzene	<4.0	ug/L	4.0	13	10			6/28/2021 17:21	DGS	EPA 8260C
Bromochloromethane	<3.0	ug/L	3.0	10	10			6/28/2021 17:21	DGS	EPA 8260C
Bromodichloromethane	<2.9	ug/L	2.9	9.5	10			6/28/2021 17:21	DGS	EPA 8260C
Bromoform	<4.0	ug/L	4.0	13	10			6/28/2021 17:21	DGS	EPA 8260C
Bromomethane	<9.0	ug/L	9.0	31	10			6/28/2021 17:21	DGS	EPA 8260C
Carbon disulfide	<6.0	ug/L	6.0	19	10			6/28/2021 17:21	DGS	EPA 8260C
Carbon tetrachloride	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
Chlorobenzene	46	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
Chloroethane	<5.0	ug/L	5.0	16	10			6/28/2021 17:21	DGS	EPA 8260C
Chloroform	<3.0	ug/L	3.0	12	10			6/28/2021 17:21	DGS	EPA 8260C
Chloromethane	<6.0	ug/L	6.0	21	10			6/28/2021 17:21	DGS	EPA 8260C
cis-1,2-Dichloroethene	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
cis-1,3-Dichloropropene	<1.6	ug/L	1.6	5.4	10			6/28/2021 17:21	DGS	EPA 8260C
Dibromochloromethane	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
Dibromomethane	<2.2	ug/L	2.2	7.3	10			6/28/2021 17:21	DGS	EPA 8260C
Dichlorodifluoromethane	<4.0	ug/L	4.0	13	10			6/28/2021 17:21	DGS	EPA 8260C
Diisopropyl ether	<4.0	ug/L	4.0	13	10			6/28/2021 17:21	DGS	EPA 8260C
Ethylbenzene	13	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
Hexachlorobutadiene	<4.0	ug/L	4.0	12	10			6/28/2021 17:21	DGS	EPA 8260C
Isopropylbenzene	9.7	ug/L	3.0 *	11	10			6/28/2021 17:21	DGS	EPA 8260C
m & p-Xylene	330	ug/L	7.0	24	10			6/28/2021 17:21	DGS	EPA 8260C

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

CT LAB#: 1017611 Sample Description: LC-2 License/Well #: 00467/302 Sampled: 6/18/2021 11:40

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: T										
Methyl tert-butyl ether	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
Methylene chloride	8.8	ug/L	4.0 *	15	10			6/28/2021 17:21	DGS	EPA 8260C
n-Butylbenzene	<2.9	ug/L	2.9	9.8	10			6/28/2021 17:21	DGS	EPA 8260C
n-Propylbenzene	9.6	ug/L	3.0 *	11	10			6/28/2021 17:21	DGS	EPA 8260C
Naphthalene	19	ug/L	3.0	10	10			6/28/2021 17:21	DGS	EPA 8260C
o-Xylene	<2.6	ug/L	2.6	8.8	10			6/28/2021 17:21	DGS	EPA 8260C
p-Isopropyltoluene	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
sec-Butylbenzene	<4.0	ug/L	4.0	12	10			6/28/2021 17:21	DGS	EPA 8260C
Styrene	<2.9	ug/L	2.9	9.5	10			6/28/2021 17:21	DGS	EPA 8260C
tert-Butylbenzene	11	ug/L	4.0 *	12	10			6/28/2021 17:21	DGS	EPA 8260C
Tetrachloroethene	<2.7	ug/L	2.7	8.9	10			6/28/2021 17:21	DGS	EPA 8260C
Tetrahydrofuran	230	ug/L	30	100	10			6/28/2021 17:21	DGS	EPA 8260C
Toluene	<2.1	ug/L	2.1	6.9	10			6/28/2021 17:21	DGS	EPA 8260C
trans-1,2-Dichloroethene	<3.0	ug/L	3.0	12	10			6/28/2021 17:21	DGS	EPA 8260C
trans-1,3-Dichloropropene	<2.3	ug/L	2.3	7.7	10			6/28/2021 17:21	DGS	EPA 8260C
Trichloroethene	<3.0	ug/L	3.0	11	10			6/28/2021 17:21	DGS	EPA 8260C
Trichlorofluoromethane	<4.0	ug/L	4.0	14	10			6/28/2021 17:21	DGS	EPA 8260C
Vinyl acetate	<50	ug/L	50	170	10	Y		6/28/2021 17:21	DGS	EPA 8260C
Vinyl chloride	<1.4	ug/L	1.4	4.6	10			6/28/2021 17:21	DGS	EPA 8260C
1,2 Dichloroethane-d4	104	% Recovery	88.0	113	1			6/28/2021 17:21	DGS	EPA 8260C
Bromofluorobenzene	103	% Recovery	82.0	114	1			6/28/2021 17:21	DGS	EPA 8260C
d8-Toluene	99.0	% Recovery	90.0	110	1			6/28/2021 17:21	DGS	EPA 8260C
Dibromofluoromethane	103	% Recovery	88.0	112	1			6/28/2021 17:21	DGS	EPA 8260C

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

CT LAB#: 1017612 Sample Description: LC-3 License/Well #: 00467/303 Sampled: 6/18/2021 12:00

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Qualifiers applying to all Analytes of Method EPA 8260C: V,T										
1,1,1,2-Tetrachloroethane	<4.0	ug/L	4.0	14	10			6/28/2021 17:51	DGS	EPA 8260C
1,1,1-Trichloroethane	<2.9	ug/L	2.9	9.8	10			6/28/2021 17:51	DGS	EPA 8260C
1,1,2,2-Tetrachloroethane	<3.0	ug/L	3.0	11	10			6/28/2021 17:51	DGS	EPA 8260C
1,1,2-Trichloroethane	<3.0	ug/L	3.0	9.9	10			6/28/2021 17:51	DGS	EPA 8260C
1,1-Dichloroethane	<3.0	ug/L	3.0	11	10			6/28/2021 17:51	DGS	EPA 8260C
1,1-Dichloroethene	<4.0	ug/L	4.0	12	10			6/28/2021 17:51	DGS	EPA 8260C
1,1-Dichloropropene	<3.0	ug/L	3.0	10	10			6/28/2021 17:51	DGS	EPA 8260C
1,2,3-Trichlorobenzene	<2.3	ug/L	2.3	7.7	10			6/28/2021 17:51	DGS	EPA 8260C
1,2,3-Trichloropropane	<3.0	ug/L	3.0	11	10			6/28/2021 17:51	DGS	EPA 8260C
1,2,4-Trichlorobenzene	<2.8	ug/L	2.8	9.3	10			6/28/2021 17:51	DGS	EPA 8260C
1,2,4-Trimethylbenzene	<2.9	ug/L	2.9	9.6	10			6/28/2021 17:51	DGS	EPA 8260C
1,2-Dibromo-3-chloropropane	<2.5	ug/L	2.5	8.2	10			6/28/2021 17:51	DGS	EPA 8260C
1,2-Dibromoethane	<3.0	ug/L	3.0	10	10			6/28/2021 17:51	DGS	EPA 8260C
1,2-Dichlorobenzene	<3.0	ug/L	3.0	11	10			6/28/2021 17:51	DGS	EPA 8260C
1,2-Dichloroethane	<2.4	ug/L	2.4	8.1	10			6/28/2021 17:51	DGS	EPA 8260C
1,2-Dichloropropane	<1.8	ug/L	1.8	6.1	10			6/28/2021 17:51	DGS	EPA 8260C
1,3,5-Trimethylbenzene	<2.7	ug/L	2.7	8.9	10			6/28/2021 17:51	DGS	EPA 8260C
1,3-Dichlorobenzene	<2.6	ug/L	2.6	8.7	10			6/28/2021 17:51	DGS	EPA 8260C
1,3-Dichloropropane	<1.7	ug/L	1.7	5.7	10			6/28/2021 17:51	DGS	EPA 8260C
1,4-Dichlorobenzene	<3.0	ug/L	3.0	11	10			6/28/2021 17:51	DGS	EPA 8260C
2,2-Dichloropropane	<3.0	ug/L	3.0	9.9	10			6/28/2021 17:51	DGS	EPA 8260C
2-Butanone	28	ug/L	26 *	88	10			6/28/2021 17:51	DGS	EPA 8260C
2-Chlorotoluene	<2.5	ug/L	2.5	8.4	10			6/28/2021 17:51	DGS	EPA 8260C
2-Hexanone	<30	ug/L	30	100	10			6/28/2021 17:51	DGS	EPA 8260C

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

CT LAB#: 1017612 Sample Description: LC-3 License/Well #: 00467/303 Sampled: 6/18/2021 12:00

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: V,T											
4-Chlorotoluene	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
4-Methyl-2-pentanone	<22	ug/L	22		74	10			6/28/2021 17:51	DGS	EPA 8260C
Acetone	66	ug/L	40	*	120	10			6/28/2021 17:51	DGS	EPA 8260C
Benzene	<4.0	ug/L	4.0		14	10			6/28/2021 17:51	DGS	EPA 8260C
Bromobenzene	<4.0	ug/L	4.0		13	10			6/28/2021 17:51	DGS	EPA 8260C
Bromochloromethane	<3.0	ug/L	3.0		10	10			6/28/2021 17:51	DGS	EPA 8260C
Bromodichloromethane	<2.9	ug/L	2.9		9.5	10			6/28/2021 17:51	DGS	EPA 8260C
Bromoform	<4.0	ug/L	4.0		13	10			6/28/2021 17:51	DGS	EPA 8260C
Bromomethane	<9.0	ug/L	9.0		31	10			6/28/2021 17:51	DGS	EPA 8260C
Carbon disulfide	7.6	ug/L	6.0	*	19	10			6/28/2021 17:51	DGS	EPA 8260C
Carbon tetrachloride	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
Chlorobenzene	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
Chloroethane	<5.0	ug/L	5.0		16	10			6/28/2021 17:51	DGS	EPA 8260C
Chloroform	<3.0	ug/L	3.0		12	10			6/28/2021 17:51	DGS	EPA 8260C
Chloromethane	<6.0	ug/L	6.0		21	10			6/28/2021 17:51	DGS	EPA 8260C
cis-1,2-Dichloroethene	12	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
cis-1,3-Dichloropropene	<1.6	ug/L	1.6		5.4	10			6/28/2021 17:51	DGS	EPA 8260C
Dibromochloromethane	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
Dibromomethane	<2.2	ug/L	2.2		7.3	10			6/28/2021 17:51	DGS	EPA 8260C
Dichlorodifluoromethane	<4.0	ug/L	4.0		13	10			6/28/2021 17:51	DGS	EPA 8260C
Diisopropyl ether	<4.0	ug/L	4.0		13	10			6/28/2021 17:51	DGS	EPA 8260C
Ethylbenzene	4.0	ug/L	3.0	*	11	10			6/28/2021 17:51	DGS	EPA 8260C
Hexachlorobutadiene	<4.0	ug/L	4.0		12	10			6/28/2021 17:51	DGS	EPA 8260C
Isopropylbenzene	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
m & p-Xylene	7.6	ug/L	7.0	*	24	10			6/28/2021 17:51	DGS	EPA 8260C

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

CT LAB#: 1017612 Sample Description: LC-3 License/Well #: 00467/303 Sampled: 6/18/2021 12:00

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: V,T											
Methyl tert-butyl ether	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
Methylene chloride	9.8	ug/L	4.0	*	15	10			6/28/2021 17:51	DGS	EPA 8260C
n-Butylbenzene	<2.9	ug/L	2.9		9.8	10			6/28/2021 17:51	DGS	EPA 8260C
n-Propylbenzene	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
Naphthalene	8.7	ug/L	3.0	*	10	10			6/28/2021 17:51	DGS	EPA 8260C
o-Xylene	<2.6	ug/L	2.6		8.8	10			6/28/2021 17:51	DGS	EPA 8260C
p-Isopropyltoluene	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
sec-Butylbenzene	<4.0	ug/L	4.0		12	10			6/28/2021 17:51	DGS	EPA 8260C
Styrene	<2.9	ug/L	2.9		9.5	10			6/28/2021 17:51	DGS	EPA 8260C
tert-Butylbenzene	<4.0	ug/L	4.0		12	10			6/28/2021 17:51	DGS	EPA 8260C
Tetrachloroethene	<2.7	ug/L	2.7		8.9	10			6/28/2021 17:51	DGS	EPA 8260C
Tetrahydrofuran	43	ug/L	30	*	100	10			6/28/2021 17:51	DGS	EPA 8260C
Toluene	2.4	ug/L	2.1	*	6.9	10			6/28/2021 17:51	DGS	EPA 8260C
trans-1,2-Dichloroethene	<3.0	ug/L	3.0		12	10			6/28/2021 17:51	DGS	EPA 8260C
trans-1,3-Dichloropropene	<2.3	ug/L	2.3		7.7	10			6/28/2021 17:51	DGS	EPA 8260C
Trichloroethene	<3.0	ug/L	3.0		11	10			6/28/2021 17:51	DGS	EPA 8260C
Trichlorofluoromethane	<4.0	ug/L	4.0		14	10			6/28/2021 17:51	DGS	EPA 8260C
Vinyl acetate	<50	ug/L	50		170	10	Y		6/28/2021 17:51	DGS	EPA 8260C
Vinyl chloride	<1.4	ug/L	1.4		4.6	10			6/28/2021 17:51	DGS	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	88.0		113	1			6/28/2021 17:51	DGS	EPA 8260C
Bromofluorobenzene	104	% Recovery	82.0		114	1			6/28/2021 17:51	DGS	EPA 8260C
d8-Toluene	100	% Recovery	90.0		110	1			6/28/2021 17:51	DGS	EPA 8260C
Dibromofluoromethane	104	% Recovery	88.0		112	1			6/28/2021 17:51	DGS	EPA 8260C

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

CT LAB#: 1017613 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 6/18/2021

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			6/22/2021 11:34	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/22/2021 11:34	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/22/2021 11:34	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/22/2021 11:34	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/22/2021 11:34	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/22/2021 11:34	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		6/22/2021 11:34	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/22/2021 11:34	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/22/2021 11:34	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/22/2021 11:34	RLD	EPA 8260C

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

CT LAB#: 1017613 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 6/18/2021

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Acetone	2.0	ug/L	0.84	*	4.0	1	B		6/22/2021	11:34	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034		0.20	1			6/22/2021	11:34	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041		0.20	1			6/22/2021	11:34	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052		0.20	1			6/22/2021	11:34	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11		0.40	1			6/22/2021	11:34	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40		1.5	1			6/22/2021	11:34	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045		0.20	1			6/22/2021	11:34	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.023	ug/L	0.023		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091		0.30	1			6/22/2021	11:34	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02		0.1	1			6/22/2021	11:34	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027		0.20	1			6/22/2021	11:34	RLD	EPA 8260C
Isopropylbenzene	<0.014	ug/L	0.014		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022		0.20	1			6/22/2021	11:34	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
Methylene chloride	0.25	ug/L	0.090	*	0.40	1			6/22/2021	11:34	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021		0.10	1			6/22/2021	11:34	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013		0.10	1			6/22/2021	11:34	RLD	EPA 8260C

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

CT LAB#: 1017613 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 6/18/2021

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			6/22/2021 11:34	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/22/2021 11:34	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/22/2021 11:34	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/22/2021 11:34	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/22/2021 11:34	RLD	EPA 8260C
Vinyl chloride	<0.019	ug/L	0.019	0.10	1			6/22/2021 11:34	RLD	EPA 8260C
1,2 Dichloroethane-d4	106	% Recovery	70.0	130	1			6/22/2021 11:34	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/22/2021 11:34	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/22/2021 11:34	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			6/22/2021 11:34	RLD	EPA 8260C

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

CT LAB#: 1017614 Sample Description: DUP-1 License #:00467 Sampled: 6/17/2021

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	65	mg/L	0.8	2.5	1			6/22/2021 03:02	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:58	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	58.6	ug/L	1.4	5.0	1			6/22/2021 22:03	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	ug/L	0.011	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/22/2021 19:07	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/22/2021 19:07	RLD	EPA 8260C

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

CT LAB#: 1017614 Sample Description: DUP-1 License #:00467 Sampled: 6/17/2021

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	Y		6/22/2021 19:07	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/22/2021 19:07	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/22/2021 19:07	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/22/2021 19:07	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/22/2021 19:07	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/22/2021 19:07	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Chloroethane	<0.40	ug/L	0.40	1.5	1			6/22/2021 19:07	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.8	ug/L	0.023	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/22/2021 19:07	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/22/2021 19:07	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/22/2021 19:07	RLD	EPA 8260C

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

CT LAB#: 1017614 Sample Description: DUP-1 License #:00467 Sampled: 6/17/2021

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			6/22/2021 19:07	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/22/2021 19:07	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/22/2021 19:07	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Trichloroethene	<0.022	ug/L	0.022	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/22/2021 19:07	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/22/2021 19:07	RLD	EPA 8260C
Vinyl chloride	7.7	ug/L	0.019	0.10	1			6/22/2021 19:07	RLD	EPA 8260C
1,2 Dichloroethane-d4	98.0	% Recovery	70.0	130	1			6/22/2021 19:07	RLD	EPA 8260C
Bromofluorobenzene	99.0	% Recovery	70.0	130	1			6/22/2021 19:07	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/22/2021 19:07	RLD	EPA 8260C
Dibromofluoromethane	100	% Recovery	70.0	130	1			6/22/2021 19:07	RLD	EPA 8260C

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

CT LAB#: 1017617 Sample Description: P-107D License/Well #: 00467/119 Sampled: 6/17/2021 17:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total Sulfate	29	mg/L	0.8	2.5	1			6/22/2021 03:21	TMG	EPA 9056A
Nitrate+Nitrite Nitrogen Total	<0.12	mg/L	0.12	0.5	1			6/24/2021 14:59	ATJ	EPA 353.2
Metals Results										
Dissolved Manganese	184	ug/L	1.4	5.0	1			6/22/2021 22:11	NAH	EPA 6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.015	ug/L	0.015	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.036	ug/L	0.036	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
1,1-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,1-Dichloroethene	<0.024	ug/L	0.024	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,1-Dichloropropene	<0.074	ug/L	0.074	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.019	ug/L	0.019	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.031	ug/L	0.031	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.022	ug/L	0.022	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,2,4-Trimethylbenzene	0.014	ug/L	0.011 *	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.12	ug/L	0.12	0.40	1			6/22/2021 19:35	RLD	EPA 8260C
1,2-Dibromoethane	<0.029	ug/L	0.029	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,2-Dichloroethane	<0.017	ug/L	0.017	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,2-Dichloropropane	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,3-Dichloropropane	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.017	ug/L	0.017	0.10	1			6/22/2021 19:35	RLD	EPA 8260C

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

CT LAB#: 1017617 Sample Description: P-107D License/Well #: 00467/119 Sampled: 6/17/2021 17:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2,2-Dichloropropane	<0.075	ug/L	0.075	0.30	1	Y		6/22/2021 19:35	RLD	EPA 8260C
2-Butanone	<0.31	ug/L	0.31	2.0	1			6/22/2021 19:35	RLD	EPA 8260C
2-Chlorotoluene	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
2-Hexanone	<0.15	ug/L	0.15	1.0	1			6/22/2021 19:35	RLD	EPA 8260C
4-Chlorotoluene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	ug/L	0.19	1.0	1			6/22/2021 19:35	RLD	EPA 8260C
Acetone	<0.84	ug/L	0.84	4.0	1			6/22/2021 19:35	RLD	EPA 8260C
Benzene	<0.022	ug/L	0.022	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Bromobenzene	<0.018	ug/L	0.018	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Bromochloromethane	<0.034	ug/L	0.034	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
Bromodichloromethane	<0.019	ug/L	0.019	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Bromoform	<0.041	ug/L	0.041	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
Bromomethane	<0.052	ug/L	0.052	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
Carbon disulfide	<0.11	ug/L	0.11	0.40	1			6/22/2021 19:35	RLD	EPA 8260C
Carbon tetrachloride	<0.018	ug/L	0.018	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Chlorobenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Chloroethane	1.3	ug/L	0.40 *	1.5	1			6/22/2021 19:35	RLD	EPA 8260C
Chloroform	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Chloromethane	<0.045	ug/L	0.045	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
cis-1,2-Dichloroethene	1.5	ug/L	0.023	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Dibromochloromethane	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Dibromomethane	<0.018	ug/L	0.018	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Dichlorodifluoromethane	<0.091	ug/L	0.091	0.30	1			6/22/2021 19:35	RLD	EPA 8260C
Diisopropyl ether	<0.02	ug/L	0.02	0.1	1			6/22/2021 19:35	RLD	EPA 8260C
Ethylbenzene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Hexachlorobutadiene	<0.027	ug/L	0.027	0.20	1			6/22/2021 19:35	RLD	EPA 8260C

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

CT LAB#: 1017617 Sample Description: P-107D License/Well #: 00467/119 Sampled: 6/17/2021 17:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
m & p-Xylene	<0.022	ug/L	0.022	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
Methyl tert-butyl ether	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Methylene chloride	<0.090	ug/L	0.090	0.40	1			6/22/2021 19:35	RLD	EPA 8260C
n-Butylbenzene	<0.021	ug/L	0.021	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
n-Propylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Naphthalene	<0.025	ug/L	0.025	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
o-Xylene	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
p-Isopropyltoluene	<0.016	ug/L	0.016	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
sec-Butylbenzene	<0.012	ug/L	0.012	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Styrene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
tert-Butylbenzene	<0.013	ug/L	0.013	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Tetrachloroethene	<0.028	ug/L	0.028	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
Tetrahydrofuran	<0.38	ug/L	0.38	2.0	1			6/22/2021 19:35	RLD	EPA 8260C
Toluene	<0.014	ug/L	0.014	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.020	ug/L	0.020	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Trichloroethene	0.059	ug/L	0.022 *	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
Trichlorofluoromethane	<0.033	ug/L	0.033	0.20	1			6/22/2021 19:35	RLD	EPA 8260C
Vinyl acetate	<0.14	ug/L	0.14	1.0	1			6/22/2021 19:35	RLD	EPA 8260C
Vinyl chloride	5.4	ug/L	0.019	0.10	1			6/22/2021 19:35	RLD	EPA 8260C
1,2 Dichloroethane-d4	102	% Recovery	70.0	130	1			6/22/2021 19:35	RLD	EPA 8260C
Bromofluorobenzene	101	% Recovery	70.0	130	1			6/22/2021 19:35	RLD	EPA 8260C
d8-Toluene	100	% Recovery	70.0	130	1			6/22/2021 19:35	RLD	EPA 8260C
Dibromofluoromethane	102	% Recovery	70.0	130	1			6/22/2021 19:35	RLD	EPA 8260C

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

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

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

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

QC Qualifiers

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

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# 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

07/07/2021

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

Well Description: ***MW-103*** **Well #:** ***112*** **Sample Date** **06/18/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Nitrate+Nitrite Nitrogen Total	00630	14	2	10	0.60	mg/L
Trichloroethene	39180	1.1	0.5	5	0.022	ug/L

Well Description: ***MW-112*** **Well #:** ***121*** **Sample Date** **06/18/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	321	60	300	1.4	ug/L

Well Description: ***MW-3A*** **Well #:** ***133*** **Sample Date** **06/17/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	418	60	300	1.4	ug/L

Well Description: ***MW-3B*** **Well #:** ***134*** **Sample Date** **06/18/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	73.3	60	300	1.4	ug/L

Well Description: ***P-103*** **Well #:** ***114*** **Sample Date** **06/18/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	78.7	60	300	1.4	ug/L

Well Description: ***P-103D*** **Well #:** ***141*** **Sample Date** **06/18/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	82.0	60	300	1.4	ug/L
Vinyl chloride	39175	0.24	0.02	0.20	0.019	ug/L

Well Description: ***P-107*** **Well #:** ***118*** **Sample Date** **06/18/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	88.3	60	300	1.4	ug/L
Vinyl chloride	39175	0.74	0.02	0.20	0.019	ug/L

Well Description: ***P-107D*** **Well #:** ***119*** **Sample Date** **06/17/2021**

Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese	01056	184	60	300	1.4	ug/L
Vinyl chloride	39175	5.4	0.02	0.20	0.019	ug/L

Well Description: ***P-111D*** **Well #:** ***130*** **Sample Date** **06/17/2021**

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***		**Sample Date**	**06/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Vinyl chloride		39175	8.0	0.02	0.20	0.019	ug/L

Well Description:	***P-115***	**Well #:**	***142***		**Sample Date**	**06/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese		01056	109	60	300	1.4	ug/L
Vinyl chloride		39175	0.53	0.02	0.20	0.019	ug/L

Well Description:	***P-116***	**Well #:**	***143***		**Sample Date**	**06/17/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese		01056	71.7	60	300	1.4	ug/L

Well Description:	***P-117***	**Well #:**	***144***		**Sample Date**	**06/18/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese		01056	199	60	300	1.4	ug/L
Vinyl chloride		39175	1.1	0.02	0.20	0.019	ug/L

Well Description:	***P-118***	**Well #:**	***145***		**Sample Date**	**06/18/2021**	
Parameter		DNR Parameter #	Result	PAL	ES	LOD	Units
Dissolved Manganese		01056	62.7	60	300	1.4	ug/L
Vinyl chloride		39175	0.087	0.02	0.20	0.019	ug/L

Summary of Detected Organic Compounds

07/07/2021

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

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

Parameter	Sample Date								
	6/17/2021	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	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	7.7	7.4	7.8	8.0	3.5		8.3	6.4	3.7

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

Parameter	Sample Date				
	6/18/2021	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	0.13	0.24	0.24	0.31	0.34
Tetrachloroethene	0.24	0.24	0.25	0.29	0.27
trans-1,2-Dichloroethene				0.052	0.040
Trichloroethene	1.1	1.5	1.4	1.6	1.4

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

Parameter	Sample Date		
	6/18/2021	4/28/2020	5/22/2019
1,4-Dichlorobenzene	1.7	1.6	1.6
Acetone	1.00	1.5	2.2
Benzene	0.053	0.12	0.15
Carbon disulfide		0.16	0.16
Chlorobenzene	3.9	3.7	3.6
Chloromethane		0.032	
cis-1,2-Dichloroethene	0.056	0.094	0.20
Diisopropyl ether	0.038	0.047	
Isopropylbenzene	0.16	0.19	0.17
m & p-Xylene		0.032	
Methyl tert-butyl ether	0.066	0.068	0.054
sec-Butylbenzene	0.078	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		
	6/18/2021	4/27/2020	5/22/2019
Carbon disulfide		0.021	
Chloromethane		0.034	
cis-1,2-Dichloroethene		0.059	
Trichloroethene	0.14	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		
	6/18/2021	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	0.27	0.26	0.28
Dichlorodifluoromethane		0.035	
Trichloroethene	0.084	0.065	0.074
Vinyl chloride	0.74	0.84	0.95

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

Parameter	Sample Date								
	6/17/2021	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	0.014	0.019			0.021				
Acetone								0.61	0.87
Carbon disulfide				0.024	0.044	0.044	0.036		
Chloroethane	1.3	1.9	2.9	2.6		0.45	2.0	1.4	1.3
Chloromethane						0.053			
cis-1,2-Dichloroethene	1.5	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	0.059	0.15	0.13	0.098	0.037	0.043	0.12	0.14	0.12
Vinyl chloride	5.4	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				
	6/18/2021	7/14/2020	4/28/2020	7/22/2019	5/22/2019
Acetone			0.93		0.64
Chlorobenzene	0.083	0.068	0.047	0.10	0.058
Chloromethane			0.056		
cis-1,2-Dichloroethene	0.059	0.15	0.16	0.21	0.28
Dichlorodifluoromethane			0.032		
Tetrachloroethene	0.084	0.24	0.28	0.16	0.25
Trichloroethene	0.30	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								
	6/17/2021	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	0.76	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	3.3	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	3.2	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								
	6/17/2021	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	1.9	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	8.0	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								
	6/18/2021	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	0.032	0.028	0.025	0.029	0.022	0.022		0.042	
Carbon disulfide					0.018	0.017			
Chloromethane					0.045	0.082			
cis-1,2-Dichloroethene	0.31	0.30	0.33	0.32	0.26	0.25	0.25	0.24	0.30
Toluene			0.021						
Trichloroethene	0.075	0.076	0.073	0.070	0.054	0.062	0.050	0.10	0.086
Vinyl chloride	0.24	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								
	6/17/2021	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	0.21	0.20	0.20	0.19	0.19	0.17	0.15	0.14	0.14
Vinyl chloride	0.53	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								
	6/18/2021	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	0.022	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	0.75	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	1.1	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								
	6/18/2021	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	0.12				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	0.087	0.086	0.088		0.047	0.024	0.079	0.064	0.057

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

Parameter	Sample Date		
	6/18/2021	4/28/2020	5/21/2019
1,1,2,2-Tetrachloroethane			30
1,2,4-Trimethylbenzene	50	33	110
1,3,5-Trimethylbenzene	18		44
2-Butanone		2100	
Acetone		780	
Chlorobenzene	6.0		
Ethylbenzene	17		29
Isopropylbenzene			11
m & p-Xylene	120	89	200
Methylene chloride	19		
Naphthalene	51	37	100
o-Xylene	9.0		8.5
p-Isopropyltoluene			41
sec-Butylbenzene			11
Tetrahydrofuran	200	840	130

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

Parameter	Sample Date		
	6/18/2021	4/28/2020	5/21/2019
1,2,4-Trimethylbenzene	73	73	85
1,3,5-Trimethylbenzene	12	15	19
1,4-Dichlorobenzene	15	16	23
2-Butanone		2200	
Acetone		900	94
Benzene	12	14	18
Chlorobenzene	46	88	170
Ethylbenzene	13	14	8.5
Isopropylbenzene	9.7	9.7	13
m & p-Xylene	330	360	430
Methylene chloride	8.8		
Naphthalene	19	9.9	16
n-Propylbenzene	9.6	8.1	10
p-Isopropyltoluene			9.8
tert-Butylbenzene	11		
Tetrahydrofuran	230	1000	110
Toluene			3.2

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

Parameter	Sample Date		
	6/18/2021	4/28/2020	5/21/2019
1,2,4-Trimethylbenzene			5.8
1,3,5-Trimethylbenzene			5.0
2-Butanone	28	23000	280
Acetone	66	7400	1800
Benzene			4.1
Bromomethane			8.9
Carbon disulfide	7.6		75
cis-1,2-Dichloroethene	12	28	170
Ethylbenzene	4.0	6.8	69
m & p-Xylene	7.6	32	310
Methylene chloride	9.8		
Naphthalene	8.7		
o-Xylene		9.7	78
Tetrahydrofuran	43		82
Toluene	2.4	15	260
Trichloroethene		3.1	14
Vinyl chloride		4.1	

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

Parameter	Sample Date								
	6/18/2021	3/25/2021	10/29/2020	6/9/2020	4/28/2020	1/20/2020	10/21/2019	7/21/2019	7/2/2019
1,4-Dioxane				13					
Acetone	2.0				1.3		3.3	1.1	1.2
Carbon disulfide				0.021			0.021		
Chloromethane			0.051	0.037		0.49	0.046		
Methylene chloride	0.25	0.34	0.46	1.2	0.92	0.40	0.20	1.3	1.1
Toluene			0.064						

5/22/2019

0.57

QC SUMMARY REPORT

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

SDG #: 0 **Folder #: 162588** **Project #: 421748**

Duplicate

Analytical Run #:	192908	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019009	Analysis Time:	08:22	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1017478	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	59.9	mg/L	58					3.22	10

Lab Control Spike Water

Analytical Run #:	192908	Analysis Date:	6/21/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019032	Analysis Time:	13:53	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	24.35	mg/L			25.00	97.4	80 --- 120		

Method Blank Water

Analytical Run #:	192908	Analysis Date:	6/21/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1018994	Analysis Time:	14:12	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 #:	192908	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019010	Analysis Time:	08:41	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1017478	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	98.7	mg/L	58		40.0	102	49 --- 120		20

Duplicate

Analytical Run #:	192909	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019018	Analysis Time:	03:40	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1017617	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	29.0	mg/L	29					0	10

Lab Control Spike Water

Analytical Run #:	192909	Analysis Date:	6/21/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019047	Analysis Time:	21:54	Prep Date/Time:		Method:	SW9056A
Parent Sample #:		Analyst:	TMG	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Sulfate	24.83	mg/L			25.00	99.3	80 --- 120		

Method Blank Water

Analytical Run #:	192909	Analysis Date:	6/21/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019015	Analysis Time:	22:13	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		

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

SDG #: 0 **Folder #: 162588** **Project #: 421748**

Matrix Spike Water

Analytical Run #:	192909	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019019	Analysis Time:	04:00	Prep Date/Time:		Method:	SW9056A
Parent Sample #:	1017617	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		8.0	90.0	49 --- 120		20

Lab Control Spike Water

Analytical Run #:	193016	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019038	Analysis Time:	14:07	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen Total	5.180	mg/L			5.0	104	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	5.180	mg/L			5.0	104	90 --- 110		

Method Blank Water

Analytical Run #:	193016	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019039	Analysis Time:	14:11	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

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

Matrix Spike Duplicate Water

Analytical Run #:	193016	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019663	Analysis Time:	14:45	Prep Date/Time:		Method:	
Parent Sample #:	1019662	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	1.98	mg/L	BDL		2.0	99.0	90 --- 110	1.53	20

Matrix Spike Water

Analytical Run #:	193016	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019662	Analysis Time:	14:44	Prep Date/Time:		Method:	
Parent Sample #:	1017484	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	1.95	mg/L	BDL		2.0	97.5	90 --- 110		20

Lab Control Spike Water

Analytical Run #:	193017	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019040	Analysis Time:	14:46	Prep Date/Time:		Method:	
Parent Sample #:		Analyst:	ATJ	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Nitrate+Nitrite Nitrogen Total	5.150	mg/L			5.0	103	90 --- 110		
Nitrate+Nitrite Nitrogen,Diss	5.150	mg/L			5.0	103	90 --- 110		

Method Blank Water

Analytical Run #:	193017	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019041	Analysis Time:	14:47	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 #:	193017	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019695	Analysis Time:	14:51	Prep Date/Time:		Method:	
Parent Sample #:	1019694	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	1.93	mg/L	BDL		2.0	96.5	90 --- 110	1.57	20

Matrix Spike Water

Analytical Run #:	193017	Analysis Date:	6/24/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1019694	Analysis Time:	14:50	Prep Date/Time:		Method:	
Parent Sample #:	1017485	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	1.90	mg/L	BDL		2.0	95.0	90 --- 110		20

Matrix Spike Duplicate Water

Analytical Run #:	192928	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1018619	Analysis Time:	19:41	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1018618	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	890	ug/L	2.0		1000	88.8	67 --- 121	5.36	13

Matrix Spike Water

Analytical Run #:	192928	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1018618	Analysis Time:	19:34	Prep Date/Time:		Method:	SW6010
Parent Sample #:	1017470	Analyst:	DC	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Manganese	939	ug/L	2.0		1000	93.7	67 --- 121		13

Lab Control Spike Duplicate Water

Analytical Run #:	192896	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019026	Analysis Time:	20:04	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1019025	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.89	ug/L	4.05		4.0	97.3	78	---	121	4.03	20
1,1,1-Trichloroethane	4.10	ug/L	4.25		4.0	103	82	---	122	3.59	20
1,1,2,2-Tetrachloroethane	3.95	ug/L	4.08		4.0	98.8	68	---	128	3.24	20
1,1,2-Trichloroethane	3.95	ug/L	3.91		4.0	98.8	84	---	114	1.02	20
1,1-Dichloroethane	3.82	ug/L	3.95		4.0	95.5	76	---	122	3.35	20
1,1-Dichloroethene	4.08	ug/L	4.26		4.0	102	83	---	123	4.32	20
1,1-Dichloropropene	4.17	ug/L	4.26		4.0	104	85	---	120	2.14	20
1,2 Dichloroethane-d4	103	% Recovery			100	103	87	---	107	0	
1,2,3-Trichlorobenzene	3.81	ug/L	4.03		4.0	95.3	78	---	121	5.61	20
1,2,3-Trichloropropane	3.72	ug/L	4.07		4.0	93.0	62	---	129	8.99	20
1,2,4-Trichlorobenzene	3.77	ug/L	4.07		4.0	94.3	80	---	120	7.65	20
1,2,4-Trimethylbenzene	3.88	ug/L	4.16		4.0	97.0	76	---	125	6.97	20
1,2-Dibromo-3-chloropropane	3.60	ug/L	3.94		4.0	90.0	69	---	125	9.02	20
1,2-Dibromoethane	3.91	ug/L	4.01		4.0	97.8	80	---	118	2.53	20
1,2-Dichlorobenzene	3.89	ug/L	4.09		4.0	97.3	80	---	117	5.01	20
1,2-Dichloroethane	3.96	ug/L	4.02		4.0	99.0	78	---	118	1.50	20
1,2-Dichloropropane	3.90	ug/L	3.98		4.0	97.5	78	---	121	2.03	20
1,3,5-Trimethylbenzene	3.90	ug/L	4.17		4.0	97.5	76	---	126	6.69	20
1,3-Dichlorobenzene	3.88	ug/L	4.10		4.0	97.0	78	---	119	5.51	20
1,3-Dichloropropane	4.03	ug/L	4.03		4.0	101	82	---	117	0	20
1,4-Dichlorobenzene	3.87	ug/L	4.11		4.0	96.8	77	---	118	6.02	20
2,2-Dichloropropane	3.39	ug/L	4.28		4.0	84.8	71	---	133	23.2	20
2-Butanone	39.4	ug/L	40.0		40.0	98.5	80	---	120	1.51	20
2-Chlorotoluene	3.81	ug/L	4.07		4.0	95.3	73	---	124	6.60	20
2-Hexanone	38.2	ug/L	39.7		40.0	95.5	73	---	127	3.85	20
4-Chlorotoluene	3.86	ug/L	4.11		4.0	96.5	74	---	125	6.27	20
4-Methyl-2-pentanone	38.7	ug/L	39.0		40.0	96.8	77	---	125	0.772	20
Acetone	39.7	ug/L	40.3		40.0	99.3	72	---	117	1.50	20
Benzene	3.90	ug/L	4.01		4.0	97.5	82	---	118	2.78	20
Bromobenzene	3.80	ug/L	4.02		4.0	95.0	77	---	118	5.63	20
Bromochloromethane	4.02	ug/L	4.17		4.0	101	81	---	116	3.66	20
Bromodichloromethane	3.89	ug/L	4.01		4.0	97.3	80	---	122	3.04	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	90	---	108	0	
Bromoform	3.56	ug/L	3.89		4.0	89.0	72	---	124	8.86	20
Bromomethane	4.39	ug/L	4.46		4.0	110	25	---	156	1.58	20
Carbon disulfide	7.77	ug/L	8.15		8.0	97.1	81	---	124	4.77	20
Carbon tetrachloride	4.11	ug/L	4.31		4.0	103	87	---	129	4.75	20
Chlorobenzene	3.85	ug/L	3.99		4.0	96.3	78	---	118	3.57	20
Chloroethane	4.19	ug/L	4.00		4.0	105	73	---	126	4.64	20
Chloroform	3.97	ug/L	4.03		4.0	99.3	76	---	119	1.50	20
Chloromethane	3.70	ug/L	3.85		4.0	92.5	70	---	121	3.97	20
cis-1,2-Dichloroethene	3.94	ug/L	4.00		4.0	98.5	82	---	118	1.51	20

Lab Control Spike Duplicate Water

Analytical Run #:	192896	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019026	Analysis Time:	20:04	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1019025	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
cis-1,3-Dichloropropene	3.72	ug/L	4.03		4.0	93.0	81	---	123	8.00	20
d8-Toluene	101	% Recovery			100	101	93	---	108	0	
Dibromochloromethane	3.77	ug/L	4.03		4.0	94.3	76	---	124	6.67	20
Dibromofluoromethane	101	% Recovery			100	101	93	---	106	0	
Dibromomethane	4.00	ug/L	4.05		4.0	100	83	---	115	1.24	20
Dichlorodifluoromethane	4.35	ug/L	4.44		4.0	109	78	---	126	2.05	20
Diisopropyl ether	3.82	ug/L	3.93		4.0	95.5	75	---	125	2.84	20
Ethylbenzene	3.91	ug/L	4.10		4.0	97.8	78	---	125	4.74	20
Hexachlorobutadiene	3.59	ug/L	3.90		4.0	89.8	79	---	123	8.28	20
Isopropylbenzene	3.99	ug/L	4.21		4.0	99.8	81	---	124	5.37	20
m & p-Xylene	7.77	ug/L	8.19		8.0	97.1	80	---	123	5.26	20
Methyl tert-butyl ether	3.86	ug/L	3.99		4.0	96.5	82	---	116	3.31	20
Methylene chloride	4.05	ug/L	4.03		4.0	101	73	---	128	0.495	20
n-Butylbenzene	3.86	ug/L	4.11		4.0	96.5	76	---	127	6.27	20
n-Propylbenzene	3.90	ug/L	4.21		4.0	97.5	75	---	129	7.64	20
Naphthalene	3.85	ug/L	4.09		4.0	96.3	64	---	129	6.05	20
o-Xylene	3.91	ug/L	4.11		4.0	97.8	81	---	121	4.99	20
p-Isopropyltoluene	3.95	ug/L	4.18		4.0	98.8	79	---	126	5.66	20
sec-Butylbenzene	3.98	ug/L	4.26		4.0	99.5	76	---	128	6.80	20
Styrene	3.97	ug/L	4.12		4.0	99.3	81	---	122	3.71	20
tert-Butylbenzene	4.03	ug/L	4.29		4.0	101	76	---	125	6.25	20
Tetrachloroethene	4.01	ug/L	4.28		4.0	100	82	---	123	6.51	20
Tetrahydrofuran	39.1	ug/L	39.5		40.0	97.8	69	---	122	1.02	20
Toluene	3.88	ug/L	4.00		4.0	97.0	82	---	119	3.05	20
trans-1,2-Dichloroethene	3.88	ug/L	4.01		4.0	97.0	80	---	122	3.30	20
trans-1,3-Dichloropropene	3.64	ug/L	4.00		4.0	91.0	83	---	119	9.42	20
Trichloroethene	3.92	ug/L	4.03		4.0	98.0	82	---	120	2.77	20
Trichlorofluoromethane	4.51	ug/L	4.53		4.0	113	78	---	130	0.442	20
Vinyl acetate	40.4	ug/L	41.2		40.0	101	63	---	136	1.96	20
Vinyl chloride	4.08	ug/L	4.20		4.0	102	73	---	127	2.90	20

Lab Control Spike Water

Analytical Run #:	192896	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019025	Analysis Time:	08:12	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.05	ug/L			4.0	101	78 --- 121		20
1,1,1-Trichloroethane	4.25	ug/L			4.0	106	82 --- 122		20
1,1,2,2-Tetrachloroethane	4.08	ug/L			4.0	102	68 --- 128		20
1,1,2-Trichloroethane	3.91	ug/L			4.0	97.8	84 --- 114		20
1,1-Dichloroethane	3.95	ug/L			4.0	98.8	76 --- 122		20
1,1-Dichloroethene	4.26	ug/L			4.0	107	83 --- 123		20
1,1-Dichloropropene	4.26	ug/L			4.0	107	85 --- 120		20
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	87 --- 107		
1,2,3-Trichlorobenzene	4.03	ug/L			4.0	101	78 --- 121		20
1,2,3-Trichloropropane	4.07	ug/L			4.0	102	62 --- 129		20
1,2,4-Trichlorobenzene	4.07	ug/L			4.0	102	80 --- 120		20
1,2,4-Trimethylbenzene	4.16	ug/L			4.0	104	76 --- 125		20
1,2-Dibromo-3-chloropropane	3.94	ug/L			4.0	98.5	69 --- 125		20
1,2-Dibromoethane	4.01	ug/L			4.0	100	80 --- 118		20
1,2-Dichlorobenzene	4.09	ug/L			4.0	102	80 --- 117		20
1,2-Dichloroethane	4.02	ug/L			4.0	101	78 --- 118		20
1,2-Dichloropropane	3.98	ug/L			4.0	99.5	78 --- 121		20
1,3,5-Trimethylbenzene	4.17	ug/L			4.0	104	76 --- 126		20
1,3-Dichlorobenzene	4.10	ug/L			4.0	103	78 --- 119		20
1,3-Dichloropropane	4.03	ug/L			4.0	101	82 --- 117		20
1,4-Dichlorobenzene	4.11	ug/L			4.0	103	77 --- 118		20
2,2-Dichloropropane	4.28	ug/L			4.0	107	71 --- 133		20
2-Butanone	40.0	ug/L			40.0	100	80 --- 120		20
2-Chlorotoluene	4.07	ug/L			4.0	102	73 --- 124		20
2-Hexanone	39.7	ug/L			40.0	99.3	73 --- 127		20
4-Chlorotoluene	4.11	ug/L			4.0	103	74 --- 125		20
4-Methyl-2-pentanone	39.0	ug/L			40.0	97.5	77 --- 125		20
Acetone	40.3	ug/L			40.0	101	72 --- 117		20
Benzene	4.01	ug/L			4.0	100	82 --- 118		20
Bromobenzene	4.02	ug/L			4.0	101	77 --- 118		20
Bromochloromethane	4.17	ug/L			4.0	104	81 --- 116		20
Bromodichloromethane	4.01	ug/L			4.0	100	80 --- 122		20
Bromofluorobenzene	100	% Recovery			100	100	90 --- 108		
Bromoform	3.89	ug/L			4.0	97.3	72 --- 124		20
Bromomethane	4.46	ug/L			4.0	112	25 --- 156		20
Carbon disulfide	8.15	ug/L			8.0	102	81 --- 124		20
Carbon tetrachloride	4.31	ug/L			4.0	108	87 --- 129		20
Chlorobenzene	3.99	ug/L			4.0	99.8	78 --- 118		20
Chloroethane	4.00	ug/L			4.0	100	73 --- 126		20
Chloroform	4.03	ug/L			4.0	101	76 --- 119		20
Chloromethane	3.85	ug/L			4.0	96.3	70 --- 121		20
cis-1,2-Dichloroethene	4.00	ug/L			4.0	100	82 --- 118		20

Lab Control Spike Water

Analytical Run #:	192896	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019025	Analysis Time:	08:12	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	4.03	ug/L			4.0	101	81 --- 123		20
d8-Toluene	99.0	% Recovery			100	99.0	93 --- 108		
Dibromochloromethane	4.03	ug/L			4.0	101	76 --- 124		20
Dibromofluoromethane	99.0	% Recovery			100	99.0	93 --- 106		
Dibromomethane	4.05	ug/L			4.0	101	83 --- 115		20
Dichlorodifluoromethane	4.44	ug/L			4.0	111	78 --- 126		20
Diisopropyl ether	3.93	ug/L			4.0	98.3	75 --- 125		20
Ethylbenzene	4.10	ug/L			4.0	103	78 --- 125		20
Hexachlorobutadiene	3.90	ug/L			4.0	97.5	79 --- 123		20
Isopropylbenzene	4.21	ug/L			4.0	105	81 --- 124		20
m & p-Xylene	8.19	ug/L			8.0	102	80 --- 123		20
Methyl tert-butyl ether	3.99	ug/L			4.0	99.8	82 --- 116		20
Methylene chloride	4.03	ug/L			4.0	101	73 --- 128		20
n-Butylbenzene	4.11	ug/L			4.0	103	76 --- 127		20
n-Propylbenzene	4.21	ug/L			4.0	105	75 --- 129		20
Naphthalene	4.09	ug/L			4.0	102	64 --- 129		20
o-Xylene	4.11	ug/L			4.0	103	81 --- 121		20
p-Isopropyltoluene	4.18	ug/L			4.0	105	79 --- 126		20
sec-Butylbenzene	4.26	ug/L			4.0	107	76 --- 128		20
Styrene	4.12	ug/L			4.0	103	81 --- 122		20
tert-Butylbenzene	4.29	ug/L			4.0	107	76 --- 125		20
Tetrachloroethene	4.28	ug/L			4.0	107	82 --- 123		20
Tetrahydrofuran	39.5	ug/L			40.0	98.8	69 --- 122		20
Toluene	4.00	ug/L			4.0	100	82 --- 119		20
trans-1,2-Dichloroethene	4.01	ug/L			4.0	100	80 --- 122		20
trans-1,3-Dichloropropene	4.00	ug/L			4.0	100	83 --- 119		20
Trichloroethene	4.03	ug/L			4.0	101	82 --- 120		20
Trichlorofluoromethane	4.53	ug/L			4.0	113	78 --- 130		20
Vinyl acetate	41.2	ug/L			40.0	103	63 --- 136		20
Vinyl chloride	4.20	ug/L			4.0	105	73 --- 127		20

Method Blank Water

Analytical Run #:	192896	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1018409	Analysis Time:	10:07	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.013	ug/L		U	0		0.013		
1,1,1-Trichloroethane	0.013	ug/L		U	0		0.013		
1,1,2,2-Tetrachloroethane	0.015	ug/L		U	0		0.015		
1,1,2-Trichloroethane	0.036	ug/L		U	0		0.036		
1,1-Dichloroethane	0.017	ug/L		U	0		0.017		
1,1-Dichloroethene	0.024	ug/L		U	0		0.024		
1,1-Dichloropropene	0.074	ug/L		U	0		0.074		
1,2 Dichloroethane-d4	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		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	0.907	ug/L			0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	99.0	% Recovery			100	99.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.216	ug/L			0		0.016		
Chloromethane	0.0571	ug/L			0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	192896	Analysis Date:	6/22/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1018409	Analysis Time:	10:07	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.014	ug/L		U	0		0.014		
d8-Toluene	100	% Recovery			100	100	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	102	% Recovery			100	102	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	0.428	ug/L			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		

Lab Control Spike Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019573	Analysis Time:	07:47	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.02	ug/L			4.0	101	78	---	121		20
1,1,1-Trichloroethane	4.40	ug/L			4.0	110	82	---	122		20
1,1,2,2-Tetrachloroethane	3.98	ug/L			4.0	99.5	68	---	128		20
1,1,2-Trichloroethane	4.02	ug/L			4.0	101	84	---	114		20
1,1-Dichloroethane	4.03	ug/L			4.0	101	76	---	122		20
1,1-Dichloroethene	4.44	ug/L			4.0	111	83	---	123		20
1,1-Dichloropropene	4.41	ug/L			4.0	110	85	---	120		20
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	87	---	107		
1,2,3-Trichlorobenzene	3.94	ug/L			4.0	98.5	78	---	121		20
1,2,3-Trichloropropane	3.69	ug/L			4.0	92.3	62	---	129		20
1,2,4-Trichlorobenzene	3.85	ug/L			4.0	96.3	80	---	120		20
1,2,4-Trimethylbenzene	4.05	ug/L			4.0	101	76	---	125		20
1,2-Dibromo-3-chloropropane	3.61	ug/L			4.0	90.3	69	---	125		20
1,2-Dibromoethane	4.02	ug/L			4.0	101	80	---	118		20
1,2-Dichlorobenzene	4.01	ug/L			4.0	100	80	---	117		20
1,2-Dichloroethane	4.00	ug/L			4.0	100	78	---	118		20
1,2-Dichloropropane	4.04	ug/L			4.0	101	78	---	121		20
1,3,5-Trimethylbenzene	4.04	ug/L			4.0	101	76	---	126		20
1,3-Dichlorobenzene	3.99	ug/L			4.0	99.8	78	---	119		20
1,3-Dichloropropane	4.04	ug/L			4.0	101	82	---	117		20
1,4-Dichlorobenzene	3.98	ug/L			4.0	99.5	77	---	118		20
2,2-Dichloropropane	4.19	ug/L			4.0	105	71	---	133		20
2-Butanone	40.4	ug/L			40.0	101	80	---	120		20
2-Chlorotoluene	3.96	ug/L			4.0	99.0	73	---	124		20
2-Hexanone	37.7	ug/L			40.0	94.3	73	---	127		20
4-Chlorotoluene	4.02	ug/L			4.0	101	74	---	125		20
4-Methyl-2-pentanone	38.4	ug/L			40.0	96.0	77	---	125		20
Acetone	40.1	ug/L			40.0	100	72	---	117		20
Benzene	4.11	ug/L			4.0	103	82	---	118		20
Bromobenzene	3.94	ug/L			4.0	98.5	77	---	118		20
Bromochloromethane	4.08	ug/L			4.0	102	81	---	116		20
Bromodichloromethane	4.02	ug/L			4.0	101	80	---	122		20
Bromofluorobenzene	98.0	% Recovery			100	98.0	90	---	108		
Bromoform	3.45	ug/L			4.0	86.3	72	---	124		20
Bromomethane	4.36	ug/L			4.0	109	25	---	156		20
Carbon disulfide	8.61	ug/L			8.0	108	81	---	124		20
Carbon tetrachloride	4.43	ug/L			4.0	111	87	---	129		20
Chlorobenzene	4.00	ug/L			4.0	100	78	---	118		20
Chloroethane	4.15	ug/L			4.0	104	73	---	126		20
Chloroform	4.19	ug/L			4.0	105	76	---	119		20
Chloromethane	3.91	ug/L			4.0	97.8	70	---	121		20
cis-1,2-Dichloroethene	4.13	ug/L			4.0	103	82	---	118		20

Lab Control Spike Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019573	Analysis Time:	07:47	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	3.89	ug/L			4.0	97.3	81	---	123		20
d8-Toluene	100	% Recovery			100	100	93	---	108		
Dibromochloromethane	3.85	ug/L			4.0	96.3	76	---	124		20
Dibromofluoromethane	99.0	% Recovery			100	99.0	93	---	106		
Dibromomethane	4.08	ug/L			4.0	102	83	---	115		20
Dichlorodifluoromethane	4.63	ug/L			4.0	116	78	---	126		20
Diisopropyl ether	3.87	ug/L			4.0	96.8	75	---	125		20
Ethylbenzene	4.05	ug/L			4.0	101	78	---	125		20
Hexachlorobutadiene	3.75	ug/L			4.0	93.8	79	---	123		20
Isopropylbenzene	4.14	ug/L			4.0	104	81	---	124		20
m & p-Xylene	8.06	ug/L			8.0	101	80	---	123		20
Methyl tert-butyl ether	3.94	ug/L			4.0	98.5	82	---	116		20
Methylene chloride	4.15	ug/L			4.0	104	73	---	128		20
n-Butylbenzene	4.04	ug/L			4.0	101	76	---	127		20
n-Propylbenzene	4.17	ug/L			4.0	104	75	---	129		20
Naphthalene	3.97	ug/L			4.0	99.3	64	---	129		20
o-Xylene	4.02	ug/L			4.0	101	81	---	121		20
p-Isopropyltoluene	4.13	ug/L			4.0	103	79	---	126		20
sec-Butylbenzene	4.26	ug/L			4.0	107	76	---	128		20
Styrene	4.04	ug/L			4.0	101	81	---	122		20
tert-Butylbenzene	4.24	ug/L			4.0	106	76	---	125		20
Tetrachloroethene	4.28	ug/L			4.0	107	82	---	123		20
Tetrahydrofuran	39.3	ug/L			40.0	98.3	69	---	122		20
Toluene	4.07	ug/L			4.0	102	82	---	119		20
trans-1,2-Dichloroethene	4.13	ug/L			4.0	103	80	---	122		20
trans-1,3-Dichloropropene	3.87	ug/L			4.0	96.8	83	---	119		20
Trichloroethene	4.14	ug/L			4.0	104	82	---	120		20
Trichlorofluoromethane	4.29	ug/L			4.0	107	78	---	130		20
Vinyl acetate	41.1	ug/L			40.0	103	63	---	136		20
Vinyl chloride	4.43	ug/L			4.0	111	73	---	127		20

Method Blank Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019796	Analysis Time:	09:42	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	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	102	% Recovery			100	102	68 --- 120		
1,2,3-Trichlorobenzene	0.019	ug/L		U	0		0.019		
1,2,3-Trichloropropane	0.031	ug/L		U	0		0.031		
1,2,4-Trichlorobenzene	0.0222	ug/L		U	0		0.0222		
1,2,4-Trimethylbenzene	0.011	ug/L		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.12	ug/L		U	0		0.12		
1,2-Dibromoethane	0.029	ug/L		U	0		0.029		
1,2-Dichlorobenzene	0.016	ug/L		U	0		0.016		
1,2-Dichloroethane	0.017	ug/L		U	0		0.017		
1,2-Dichloropropane	0.013	ug/L		U	0		0.013		
1,3,5-Trimethylbenzene	0.013	ug/L		U	0		0.013		
1,3-Dichlorobenzene	0.013	ug/L		U	0		0.013		
1,3-Dichloropropane	0.020	ug/L		U	0		0.020		
1,4-Dichlorobenzene	0.017	ug/L		U	0		0.017		
2,2-Dichloropropane	0.075	ug/L		U	0		0.075		
2-Butanone	0.31	ug/L		U	0		0.31		
2-Chlorotoluene	0.020	ug/L		U	0		0.020		
2-Hexanone	0.15	ug/L		U	0		0.15		
4-Chlorotoluene	0.013	ug/L		U	0		0.013		
4-Methyl-2-pentanone	0.19	ug/L		U	0		0.19		
Acetone	2.47	ug/L			0		0.84		
Benzene	0.022	ug/L		U	0		0.022		
Bromobenzene	0.018	ug/L		U	0		0.018		
Bromochloromethane	0.034	ug/L		U	0		0.034		
Bromodichloromethane	0.019	ug/L		U	0		0.019		
Bromofluorobenzene	97.0	% Recovery			100	97.0	68 --- 120		
Bromoform	0.041	ug/L		U	0		0.041		
Bromomethane	0.052	ug/L		U	0		0.052		
Carbon disulfide	0.11	ug/L		U	0		0.11		
Carbon tetrachloride	0.018	ug/L		U	0		0.018		
Chlorobenzene	0.013	ug/L		U	0		0.013		
Chloroethane	0.40	ug/L		U	0		0.40		
Chloroform	0.016	ug/L		U	0		0.016		
Chloromethane	0.045	ug/L		U	0		0.045		
cis-1,2-Dichloroethene	0.023	ug/L		U	0		0.023		

Method Blank Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1019796	Analysis Time:	09:42	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.014	ug/L		U	0		0.014		
d8-Toluene	100	% Recovery			100	100	71 --- 117		
Dibromochloromethane	0.016	ug/L		U	0		0.016		
Dibromofluoromethane	101	% Recovery			100	101	67 --- 122		
Dibromomethane	0.018	ug/L		U	0		0.018		
Dichlorodifluoromethane	0.091	ug/L		U	0		0.091		
Diisopropyl ether	0.015	ug/L		U	0		0.015		
Ethylbenzene	0.014	ug/L		U	0		0.014		
Hexachlorobutadiene	0.027	ug/L		U	0		0.027		
Isopropylbenzene	0.014	ug/L		U	0		0.014		
m & p-Xylene	0.022	ug/L		U	0		0.022		
Methyl tert-butyl ether	0.014	ug/L		U	0		0.014		
Methylene chloride	0.090	ug/L		U	0		0.090		
n-Butylbenzene	0.021	ug/L		U	0		0.021		
n-Propylbenzene	0.013	ug/L		U	0		0.013		
Naphthalene	0.025	ug/L		U	0		0.025		
o-Xylene	0.016	ug/L		U	0		0.016		
p-Isopropyltoluene	0.016	ug/L		U	0		0.016		
sec-Butylbenzene	0.012	ug/L		U	0		0.012		
Styrene	0.014	ug/L		U	0		0.014		
tert-Butylbenzene	0.013	ug/L		U	0		0.013		
Tetrachloroethene	0.028	ug/L		U	0		0.028		
Tetrahydrofuran	0.38	ug/L		U	0		0.38		
Toluene	0.0609	ug/L			0		0.014		
trans-1,2-Dichloroethene	0.020	ug/L		U	0		0.020		
trans-1,3-Dichloropropene	0.020	ug/L		U	0		0.020		
Trichloroethene	0.022	ug/L		U	0		0.022		
Trichlorofluoromethane	0.033	ug/L		U	0		0.033		
Vinyl acetate	0.14	ug/L		U	0		0.14		
Vinyl chloride	0.019	ug/L		U	0		0.019		

Matrix Spike Duplicate Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1020143	Analysis Time:	19:19	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1020142	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	3.72	ug/L	BDL		4.0	93.0	67	---	122	2.21	21
1,1,1-Trichloroethane	4.56	ug/L	BDL		4.0	114	69	---	128	1.89	20
1,1,2,2-Tetrachloroethane	3.72	ug/L	BDL		4.0	93.0	54	---	130	0.169	22
1,1,2-Trichloroethane	3.81	ug/L	BDL		4.0	95.3	67	---	116	2.69	25
1,1-Dichloroethane	3.98	ug/L	BDL		4.0	99.5	64	---	124	2.49	25
1,1-Dichloroethene	4.58	ug/L	BDL		4.0	115	70	---	130	1.92	24
1,1-Dichloropropene	4.67	ug/L	BDL		4.0	117	74	---	127	0.367	21
1,2 Dichloroethane-d4	97.0	% Recovery			100	97.0	86	---	106	0	7
1,2,3-Trichlorobenzene	3.83	ug/L	BDL		4.0	95.8	56	---	134	2.34	31
1,2,3-Trichloropropane	3.56	ug/L	BDL		4.0	89.0	54	---	117	0.810	26
1,2,4-Trichlorobenzene	3.89	ug/L	BDL		4.0	97.3	56	---	133	0.826	29
1,2,4-Trimethylbenzene	4.03	ug/L	BDL		4.0	101	63	---	132	1.23	36
1,2-Dibromo-3-chloropropane	3.36	ug/L	BDL		4.0	84.0	48	---	121	10.9	34
1,2-Dibromoethane	3.68	ug/L	BDL		4.0	92.0	66	---	114	1.21	22
1,2-Dichlorobenzene	3.80	ug/L	BDL		4.0	95.0	63	---	124	3.47	23
1,2-Dichloroethane	3.85	ug/L	BDL		4.0	96.3	60	---	117	1.84	21
1,2-Dichloropropane	3.81	ug/L	BDL		4.0	95.3	67	---	121	3.48	19
1,3,5-Trimethylbenzene	4.04	ug/L	BDL		4.0	101	68	---	130	0.0495	34
1,3-Dichlorobenzene	3.92	ug/L	BDL		4.0	98.0	66	---	126	1.38	22
1,3-Dichloropropane	3.81	ug/L	BDL		4.0	95.3	67	---	114	2.69	23
1,4-Dichlorobenzene	3.91	ug/L	BDL		4.0	97.8	65	---	125	2.27	22
2,2-Dichloropropane	4.07	ug/L	BDL		4.0	102	57	---	136	2.09	21
2-Butanone	37.2	ug/L	BDL		40.0	93.0	67	---	110	1.09	29
2-Chlorotoluene	4.01	ug/L	BDL		4.0	100	61	---	134	0.182	20
2-Hexanone	36.0	ug/L	BDL		40.0	90.0	51	---	128	0.0344	28
4-Chlorotoluene	4.01	ug/L	BDL		4.0	100	65	---	129	1.40	22
4-Methyl-2-pentanone	36.8	ug/L	BDL		40.0	92.0	55	---	125	0.960	29
Acetone	34.0	ug/L	BDL		40.0	85.0	41	---	101	1.38	39
Benzene	4.04	ug/L	BDL		4.0	101	71	---	120	1.77	17
Bromobenzene	3.86	ug/L	BDL		4.0	96.5	63	---	129	1.14	20
Bromochloromethane	3.90	ug/L	BDL		4.0	97.5	69	---	113	3.54	22
Bromodichloromethane	3.73	ug/L	BDL		4.0	93.3	66	---	119	2.51	20
Bromofluorobenzene	98.0	% Recovery			100	98.0	75	---	124	0	7
Bromoform	3.11	ug/L	BDL		4.0	77.8	57	---	116	1.54	28
Bromomethane	3.81	ug/L	BDL		4.0	95.3	11	---	144	4.48	34
Carbon disulfide	9.08	ug/L	BDL		8.0	114	62	---	136	1.60	31
Carbon tetrachloride	4.45	ug/L	BDL		4.0	111	80	---	133	1.18	20
Chlorobenzene	3.92	ug/L	BDL		4.0	98.0	69	---	120	0.712	21
Chloroethane	4.59	ug/L	BDL		4.0	115	61	---	129	3.91	26
Chloroform	3.94	ug/L	BDL		4.0	98.5	64	---	121	2.50	18
Chloromethane	3.91	ug/L	BDL		4.0	97.8	58	---	120	0.217	21
cis-1,2-Dichloroethene	4.03	ug/L	BDL		4.0	101	71	---	117	2.47	21

Matrix Spike Duplicate Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1020143	Analysis Time:	19:19	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1020142	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
cis-1,3-Dichloropropene	3.68	ug/L	BDL		4.0	92.0	66	---	116	0.196	21
d8-Toluene	100	% Recovery			100	100	94	---	105	0	7
Dibromochloromethane	3.45	ug/L	BDL		4.0	86.3	64	---	115	3.32	23
Dibromofluoromethane	99.0	% Recovery			100	99.0	90	---	108	0	7
Dibromomethane	3.82	ug/L	BDL		4.0	95.5	68	---	111	3.74	21
Dichlorodifluoromethane	5.15	ug/L	BDL		4.0	129	68	---	141	0.448	22
Diisopropyl ether	3.76	ug/L	BDL		4.0	94.0	57	---	129	2.95	27
Ethylbenzene	4.08	ug/L	BDL		4.0	102	70	---	128	1.37	24
Hexachlorobutadiene	3.91	ug/L	BDL		4.0	97.8	57	---	146	1.71	30
Isopropylbenzene	4.21	ug/L	BDL		4.0	105	72	---	131	1.10	24
m & p-Xylene	8.06	ug/L	BDL		8.0	101	70	---	128	0.606	28
Methyl tert-butyl ether	3.69	ug/L	BDL		4.0	92.3	60	---	116	2.31	33
Methylene chloride	3.97	ug/L	BDL		4.0	99.3	29	---	139	2.41	36
n-Butylbenzene	4.33	ug/L	BDL		4.0	108	67	---	136	2.27	24
n-Propylbenzene	4.24	ug/L	BDL		4.0	106	64	---	143	1.26	23
Naphthalene	3.72	ug/L	BDL		4.0	93.0	58	---	122	0.0296	31
o-Xylene	3.92	ug/L	BDL		4.0	98.0	71	---	123	0.956	26
p-Isopropyltoluene	4.24	ug/L	BDL		4.0	106	71	---	135	0.890	27
sec-Butylbenzene	4.30	ug/L	BDL		4.0	108	71	---	137	0.536	23
Styrene	3.90	ug/L	BDL		4.0	97.5	70	---	125	0.427	40
tert-Butylbenzene	4.28	ug/L	BDL		4.0	107	70	---	133	0.0398	22
Tetrachloroethene	4.42	ug/L	BDL		4.0	111	75	---	127	2.31	21
Tetrahydrofuran	35.8	ug/L	BDL		40.0	89.5	48	---	111	0.570	28
Toluene	4.04	ug/L	BDL		4.0	101	71	---	120	2.97	19
trans-1,2-Dichloroethene	4.22	ug/L	BDL		4.0	106	72	---	121	2.65	28
trans-1,3-Dichloropropene	3.53	ug/L	BDL		4.0	88.3	69	---	109	0.105	21
Trichloroethene	4.20	ug/L	BDL		4.0	105	73	---	118	3.80	19
Trichlorofluoromethane	5.26	ug/L	BDL		4.0	132	75	---	134	2.39	23
Vinyl acetate	36.8	ug/L	BDL		40.0	92.0	55	---	127	2.89	25
Vinyl chloride	4.56	ug/L	BDL		4.0	114	61	---	130	0.616	21

Matrix Spike Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1020142	Analysis Time:	18:50	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1017472	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.81	ug/L	BDL		4.0	95.3	67 --- 122		21
1,1,1-Trichloroethane	4.65	ug/L	BDL		4.0	116	69 --- 128		20
1,1,2,2-Tetrachloroethane	3.73	ug/L	BDL		4.0	93.3	54 --- 130		22
1,1,2-Trichloroethane	3.91	ug/L	BDL		4.0	97.8	67 --- 116		25
1,1-Dichloroethane	4.08	ug/L	BDL		4.0	102	64 --- 124		25
1,1-Dichloroethene	4.67	ug/L	BDL		4.0	117	70 --- 130		24
1,1-Dichloropropene	4.65	ug/L	BDL		4.0	116	74 --- 127		21
1,2 Dichloroethane-d4	97.0	% Recovery			100	97.0	86 --- 106		7
1,2,3-Trichlorobenzene	3.92	ug/L	BDL		4.0	98.0	56 --- 134		31
1,2,3-Trichloropropane	3.53	ug/L	BDL		4.0	88.3	54 --- 117		26
1,2,4-Trichlorobenzene	3.93	ug/L	BDL		4.0	98.3	56 --- 133		29
1,2,4-Trimethylbenzene	4.08	ug/L	BDL		4.0	102	63 --- 132		36
1,2-Dibromo-3-chloropropane	3.02	ug/L	BDL		4.0	75.5	48 --- 121		34
1,2-Dibromoethane	3.72	ug/L	BDL		4.0	93.0	66 --- 114		22
1,2-Dichlorobenzene	3.93	ug/L	BDL		4.0	98.3	63 --- 124		23
1,2-Dichloroethane	3.92	ug/L	BDL		4.0	98.0	60 --- 117		21
1,2-Dichloropropane	3.95	ug/L	BDL		4.0	98.8	67 --- 121		19
1,3,5-Trimethylbenzene	4.04	ug/L	BDL		4.0	101	68 --- 130		34
1,3-Dichlorobenzene	3.97	ug/L	BDL		4.0	99.3	66 --- 126		22
1,3-Dichloropropane	3.91	ug/L	BDL		4.0	97.8	67 --- 114		23
1,4-Dichlorobenzene	4.00	ug/L	BDL		4.0	100	65 --- 125		22
2,2-Dichloropropane	4.15	ug/L	BDL		4.0	104	57 --- 136		21
2-Butanone	37.6	ug/L	BDL		40.0	94.0	67 --- 110		29
2-Chlorotoluene	4.00	ug/L	BDL		4.0	100	61 --- 134		20
2-Hexanone	36.0	ug/L	BDL		40.0	90.0	51 --- 128		28
4-Chlorotoluene	4.06	ug/L	BDL		4.0	102	65 --- 129		22
4-Methyl-2-pentanone	37.1	ug/L	BDL		40.0	92.8	55 --- 125		29
Acetone	34.5	ug/L	BDL		40.0	86.3	41 --- 101		39
Benzene	4.11	ug/L	BDL		4.0	103	71 --- 120		17
Bromobenzene	3.81	ug/L	BDL		4.0	95.3	63 --- 129		20
Bromochloromethane	4.05	ug/L	BDL		4.0	101	69 --- 113		22
Bromodichloromethane	3.82	ug/L	BDL		4.0	95.5	66 --- 119		20
Bromofluorobenzene	96.0	% Recovery			100	96.0	75 --- 124		7
Bromoform	3.16	ug/L	BDL		4.0	79.0	57 --- 116		28
Bromomethane	3.98	ug/L	BDL		4.0	99.5	11 --- 144		34
Carbon disulfide	9.22	ug/L	BDL		8.0	115	62 --- 136		31
Carbon tetrachloride	4.51	ug/L	BDL		4.0	113	80 --- 133		20
Chlorobenzene	3.95	ug/L	BDL		4.0	98.8	69 --- 120		21
Chloroethane	4.77	ug/L	BDL		4.0	119	61 --- 129		26
Chloroform	4.04	ug/L	BDL		4.0	101	64 --- 121		18
Chloromethane	3.91	ug/L	BDL		4.0	97.8	58 --- 120		21
cis-1,2-Dichloroethene	4.13	ug/L	BDL		4.0	103	71 --- 117		21

Matrix Spike Water

Analytical Run #:	192905	Analysis Date:	6/25/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1020142	Analysis Time:	18:50	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1017472	Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
cis-1,3-Dichloropropene	3.68	ug/L	BDL		4.0	92.0	66	---	116		21
d8-Toluene	100	% Recovery			100	100	94	---	105		7
Dibromochloromethane	3.56	ug/L	BDL		4.0	89.0	64	---	115		23
Dibromofluoromethane	100	% Recovery			100	100	90	---	108		7
Dibromomethane	3.96	ug/L	BDL		4.0	99.0	68	---	111		21
Dichlorodifluoromethane	5.17	ug/L	BDL		4.0	129	68	---	141		22
Diisopropyl ether	3.87	ug/L	BDL		4.0	96.8	57	---	129		27
Ethylbenzene	4.13	ug/L	BDL		4.0	103	70	---	128		24
Hexachlorobutadiene	3.97	ug/L	BDL		4.0	99.3	57	---	146		30
Isopropylbenzene	4.26	ug/L	BDL		4.0	107	72	---	131		24
m & p-Xylene	8.11	ug/L	BDL		8.0	101	70	---	128		28
Methyl tert-butyl ether	3.77	ug/L	BDL		4.0	94.3	60	---	116		33
Methylene chloride	4.06	ug/L	BDL		4.0	102	29	---	139		36
n-Butylbenzene	4.43	ug/L	BDL		4.0	111	67	---	136		24
n-Propylbenzene	4.30	ug/L	BDL		4.0	108	64	---	143		23
Naphthalene	3.72	ug/L	BDL		4.0	93.0	58	---	122		31
o-Xylene	3.96	ug/L	BDL		4.0	99.0	71	---	123		26
p-Isopropyltoluene	4.28	ug/L	BDL		4.0	107	71	---	135		27
sec-Butylbenzene	4.32	ug/L	BDL		4.0	108	71	---	137		23
Styrene	3.92	ug/L	BDL		4.0	98.0	70	---	125		40
tert-Butylbenzene	4.27	ug/L	BDL		4.0	107	70	---	133		22
Tetrachloroethene	4.52	ug/L	BDL		4.0	113	75	---	127		21
Tetrahydrofuran	36.0	ug/L	BDL		40.0	90.0	48	---	111		28
Toluene	4.16	ug/L	BDL		4.0	104	71	---	120		19
trans-1,2-Dichloroethene	4.33	ug/L	BDL		4.0	108	72	---	121		28
trans-1,3-Dichloropropene	3.53	ug/L	BDL		4.0	88.3	69	---	109		21
Trichloroethene	4.37	ug/L	BDL		4.0	109	73	---	118		19
Trichlorofluoromethane	5.39	ug/L	BDL		4.0	135	75	---	134		23
Vinyl acetate	37.9	ug/L	BDL		40.0	94.8	55	---	127		25
Vinyl chloride	4.59	ug/L	BDL		4.0	115	61	---	130		21

Lab Control Spike Duplicate Water

Analytical Run #:	192931	Analysis Date:	6/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021357	Analysis Time:	18:50	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1021356	Analyst:	DGS	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	10.6	ug/L	10.0		10.0	106	86	---	112	5.83	20
1,1,1-Trichloroethane	11.0	ug/L	10.4		10.0	110	88	---	120	5.61	20
1,1,2,2-Tetrachloroethane	9.91	ug/L	10.2		10.0	99.1	83	---	116	2.88	20
1,1,2-Trichloroethane	10.5	ug/L	9.96		10.0	105	86	---	115	5.28	20
1,1-Dichloroethane	10.6	ug/L	10.0		10.0	106	86	---	117	5.83	20
1,1-Dichloroethene	11.1	ug/L	10.7		10.0	111	86	---	119	3.67	20
1,1-Dichloropropene	11.3	ug/L	10.5		10.0	113	87	---	117	7.34	20
1,2 Dichloroethane-d4	102	% Recovery			100	102	90	---	111	0	
1,2,3-Trichlorobenzene	10.6	ug/L	10.2		10.0	106	81	---	114	3.85	20
1,2,3-Trichloropropane	9.82	ug/L	10.0		10.0	98.2	77	---	120	1.82	20
1,2,4-Trichlorobenzene	10.8	ug/L	10.4		10.0	108	80	---	116	3.77	20
1,2,4-Trimethylbenzene	11.0	ug/L	10.5		10.0	110	91	---	118	4.65	20
1,2-Dibromo-3-chloropropane	10.4	ug/L	9.79		10.0	104	68	---	122	6.04	20
1,2-Dibromoethane	10.4	ug/L	10.3		10.0	104	87	---	113	0.966	20
1,2-Dichlorobenzene	10.2	ug/L	9.73		10.0	102	88	---	113	4.72	20
1,2-Dichloroethane	10.5	ug/L	9.95		10.0	105	84	---	120	5.38	20
1,2-Dichloropropane	10.5	ug/L	9.84		10.0	105	85	---	116	6.49	20
1,3,5-Trimethylbenzene	11.2	ug/L	10.7		10.0	112	90	---	119	4.57	20
1,3-Dichlorobenzene	10.4	ug/L	10.2		10.0	104	89	---	113	1.94	20
1,3-Dichloropropane	10.4	ug/L	10.1		10.0	104	87	---	115	2.93	20
1,4-Dichlorobenzene	10.2	ug/L	10.0		10.0	102	87	---	113	1.98	20
2,2-Dichloropropane	11.0	ug/L	12.0		10.0	110	75	---	127	8.70	20
2-Butanone	110	ug/L	99.5		100	110	68	---	133	10.0	20
2-Chlorotoluene	10.7	ug/L	10.3		10.0	107	88	---	117	3.81	20
2-Hexanone	113	ug/L	105		100	113	71	---	134	7.34	20
4-Chlorotoluene	10.8	ug/L	10.4		10.0	108	88	---	119	3.77	20
4-Methyl-2-pentanone	107	ug/L	98.4		100	107	78	---	127	8.37	20
Acetone	119	ug/L	110		100	119	66	---	137	7.86	20
Benzene	10.8	ug/L	10.3		10.0	108	90	---	119	4.74	20
Bromobenzene	10.3	ug/L	9.64		10.0	103	86	---	113	6.62	20
Bromochloromethane	10.3	ug/L	9.87		10.0	103	81	---	120	4.26	20
Bromodichloromethane	10.7	ug/L	9.89		10.0	107	87	---	116	7.87	20
Bromofluorobenzene	105	% Recovery			100	105	88	---	108	0	
Bromoform	9.67	ug/L	10.0		10.0	96.7	72	---	124	3.36	20
Bromomethane	7.58	ug/L	9.06		10.0	75.8	40	---	169	17.8	20
Carbon disulfide	22.2	ug/L	21.1		20.0	111	89	---	124	5.08	20
Carbon tetrachloride	11.2	ug/L	10.2		10.0	112	82	---	127	9.35	20
Chlorobenzene	10.6	ug/L	10.3		10.0	106	89	---	114	2.87	20
Chloroethane	11.1	ug/L	9.47		10.0	111	78	---	128	15.8	20
Chloroform	10.0	ug/L	9.61		10.0	100	88	---	115	3.98	20
Chloromethane	9.80	ug/L	9.78		10.0	98.0	63	---	135	0.204	20
cis-1,2-Dichloroethene	10.6	ug/L	10.2		10.0	106	87	---	115	3.85	20

Lab Control Spike Duplicate Water

Analytical Run #:	192931	Analysis Date:	6/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021357	Analysis Time:	18:50	Prep Date/Time:		Method:	SW8260C
Parent Sample #:	1021356	Analyst:	DGS	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	10.9	ug/L	10.6		10.0	109	86	---	115	2.79	20
d8-Toluene	100	% Recovery			100	100	95	---	105	0	
Dibromochloromethane	10.1	ug/L	10.2		10.0	101	82	---	117	0.985	20
Dibromofluoromethane	102	% Recovery			100	102	92	---	107	0	
Dibromomethane	10.6	ug/L	10.1		10.0	106	84	---	115	4.83	20
Dichlorodifluoromethane	11.4	ug/L	10.9		10.0	114	76	---	129	4.48	20
Diisopropyl ether	10.5	ug/L	10.2		10.0	105	82	---	123	2.90	20
Ethylbenzene	11.0	ug/L	10.7		10.0	110	92	---	119	2.76	20
Hexachlorobutadiene	9.76	ug/L	11.4		10.0	97.6	84	---	120	15.5	20
Isopropylbenzene	11.1	ug/L	11.0		10.0	111	91	---	121	0.905	20
m & p-Xylene	21.9	ug/L	21.6		20.0	110	91	---	117	1.38	20
Methyl tert-butyl ether	11.2	ug/L	10.2		10.0	112	85	---	115	9.35	20
Methylene chloride	11.6	ug/L	11.1		10.0	116	71	---	128	4.41	20
n-Butylbenzene	10.7	ug/L	10.7		10.0	107	88	---	122	0	20
n-Propylbenzene	11.2	ug/L	10.6		10.0	112	90	---	123	5.50	20
Naphthalene	10.4	ug/L	9.07		10.0	104	64	---	129	13.7	20
o-Xylene	10.6	ug/L	10.3		10.0	106	89	---	115	2.87	20
p-Isopropyltoluene	11.1	ug/L	10.9		10.0	111	91	---	119	1.82	20
sec-Butylbenzene	11.3	ug/L	11.0		10.0	113	92	---	122	2.69	20
Styrene	10.6	ug/L	10.5		10.0	106	90	---	116	0.948	20
tert-Butylbenzene	11.1	ug/L	10.6		10.0	111	90	---	118	4.61	20
Tetrachloroethene	10.7	ug/L	10.6		10.0	107	86	---	120	0.939	20
Tetrahydrofuran	108	ug/L	104		100	108	72	---	135	3.77	20
Toluene	10.8	ug/L	10.3		10.0	108	89	---	117	4.74	20
trans-1,2-Dichloroethene	10.8	ug/L	9.84		10.0	108	86	---	116	9.30	20
trans-1,3-Dichloropropene	11.1	ug/L	10.7		10.0	111	84	---	115	3.67	20
Trichloroethene	11.0	ug/L	9.85		10.0	110	86	---	117	11.0	20
Trichlorofluoromethane	11.8	ug/L	11.3		10.0	118	83	---	133	4.33	20
Vinyl acetate	82.1	ug/L	105		100	82.1	60	---	147	24.5	20
Vinyl chloride	9.69	ug/L	9.49		10.0	96.9	84	---	124	2.09	20

Lab Control Spike Water

Analytical Run #:	192931	Analysis Date:	6/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021356	Analysis Time:	08:23	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	DGS	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	10.0	ug/L			10.0	100	86 --- 112		20
1,1,1-Trichloroethane	10.4	ug/L			10.0	104	88 --- 120		20
1,1,2,2-Tetrachloroethane	10.2	ug/L			10.0	102	83 --- 116		20
1,1,2-Trichloroethane	9.96	ug/L			10.0	99.6	86 --- 115		20
1,1-Dichloroethane	10.0	ug/L			10.0	100	86 --- 117		20
1,1-Dichloroethene	10.7	ug/L			10.0	107	86 --- 119		20
1,1-Dichloropropene	10.5	ug/L			10.0	105	87 --- 117		20
1,2 Dichloroethane-d4	100	% Recovery			100	100	90 --- 111		
1,2,3-Trichlorobenzene	10.2	ug/L			10.0	102	81 --- 114		20
1,2,3-Trichloropropane	10.0	ug/L			10.0	100	77 --- 120		20
1,2,4-Trichlorobenzene	10.4	ug/L			10.0	104	80 --- 116		20
1,2,4-Trimethylbenzene	10.5	ug/L			10.0	105	91 --- 118		20
1,2-Dibromo-3-chloropropane	9.79	ug/L			10.0	97.9	68 --- 122		20
1,2-Dibromoethane	10.3	ug/L			10.0	103	87 --- 113		20
1,2-Dichlorobenzene	9.73	ug/L			10.0	97.3	88 --- 113		20
1,2-Dichloroethane	9.95	ug/L			10.0	99.5	84 --- 120		20
1,2-Dichloropropane	9.84	ug/L			10.0	98.4	85 --- 116		20
1,3,5-Trimethylbenzene	10.7	ug/L			10.0	107	90 --- 119		20
1,3-Dichlorobenzene	10.2	ug/L			10.0	102	89 --- 113		20
1,3-Dichloropropane	10.1	ug/L			10.0	101	87 --- 115		20
1,4-Dichlorobenzene	10.0	ug/L			10.0	100	87 --- 113		20
2,2-Dichloropropane	12.0	ug/L			10.0	120	75 --- 127		20
2-Butanone	99.5	ug/L			100	99.5	68 --- 133		20
2-Chlorotoluene	10.3	ug/L			10.0	103	88 --- 117		20
2-Hexanone	105	ug/L			100	105	71 --- 134		20
4-Chlorotoluene	10.4	ug/L			10.0	104	88 --- 119		20
4-Methyl-2-pentanone	98.4	ug/L			100	98.4	78 --- 127		20
Acetone	110	ug/L			100	110	66 --- 137		20
Benzene	10.3	ug/L			10.0	103	90 --- 119		20
Bromobenzene	9.64	ug/L			10.0	96.4	86 --- 113		20
Bromochloromethane	9.87	ug/L			10.0	98.7	81 --- 120		20
Bromodichloromethane	9.89	ug/L			10.0	98.9	87 --- 116		20
Bromofluorobenzene	100	% Recovery			100	100	88 --- 108		
Bromoform	10.0	ug/L			10.0	100	72 --- 124		20
Bromomethane	9.06	ug/L			10.0	90.6	40 --- 169		20
Carbon disulfide	21.1	ug/L			20.0	106	89 --- 124		20
Carbon tetrachloride	10.2	ug/L			10.0	102	82 --- 127		20
Chlorobenzene	10.3	ug/L			10.0	103	89 --- 114		20
Chloroethane	9.47	ug/L			10.0	94.7	78 --- 128		20
Chloroform	9.61	ug/L			10.0	96.1	88 --- 115		20
Chloromethane	9.78	ug/L			10.0	97.8	63 --- 135		20
cis-1,2-Dichloroethene	10.2	ug/L			10.0	102	87 --- 115		20

Lab Control Spike Water

Analytical Run #:	192931	Analysis Date:	6/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021356	Analysis Time:	08:23	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	DGS	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	10.6	ug/L			10.0	106	86 --- 115		20
d8-Toluene	98.0	% Recovery			100	98.0	95 --- 105		
Dibromochloromethane	10.2	ug/L			10.0	102	82 --- 117		20
Dibromofluoromethane	101	% Recovery			100	101	92 --- 107		
Dibromomethane	10.1	ug/L			10.0	101	84 --- 115		20
Dichlorodifluoromethane	10.9	ug/L			10.0	109	76 --- 129		20
Diisopropyl ether	10.2	ug/L			10.0	102	82 --- 123		20
Ethylbenzene	10.7	ug/L			10.0	107	92 --- 119		20
Hexachlorobutadiene	11.4	ug/L			10.0	114	84 --- 120		20
Isopropylbenzene	11.0	ug/L			10.0	110	91 --- 121		20
m & p-Xylene	21.6	ug/L			20.0	108	91 --- 117		20
Methyl tert-butyl ether	10.2	ug/L			10.0	102	85 --- 115		20
Methylene chloride	11.1	ug/L			10.0	111	71 --- 128		20
n-Butylbenzene	10.7	ug/L			10.0	107	88 --- 122		20
n-Propylbenzene	10.6	ug/L			10.0	106	90 --- 123		20
Naphthalene	9.07	ug/L			10.0	90.7	64 --- 129		20
o-Xylene	10.3	ug/L			10.0	103	89 --- 115		20
p-Isopropyltoluene	10.9	ug/L			10.0	109	91 --- 119		20
sec-Butylbenzene	11.0	ug/L			10.0	110	92 --- 122		20
Styrene	10.5	ug/L			10.0	105	90 --- 116		20
tert-Butylbenzene	10.6	ug/L			10.0	106	90 --- 118		20
Tetrachloroethene	10.6	ug/L			10.0	106	86 --- 120		20
Tetrahydrofuran	104	ug/L			100	104	72 --- 135		20
Toluene	10.3	ug/L			10.0	103	89 --- 117		20
trans-1,2-Dichloroethene	9.84	ug/L			10.0	98.4	86 --- 116		20
trans-1,3-Dichloropropene	10.7	ug/L			10.0	107	84 --- 115		20
Trichloroethene	9.85	ug/L			10.0	98.5	86 --- 117		20
Trichlorofluoromethane	11.3	ug/L			10.0	113	83 --- 133		20
Vinyl acetate	105	ug/L			100	105	60 --- 147		20
Vinyl chloride	9.49	ug/L			10.0	94.9	84 --- 124		20

Method Blank Water

Analytical Run #:	192931	Analysis Date:	6/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021355	Analysis Time:	09:53	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	DGS	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	0.4	ug/L		U	0		0.4		
1,1,1-Trichloroethane	0.29	ug/L		U	0		0.29		
1,1,2,2-Tetrachloroethane	0.3	ug/L		U	0		0.3		
1,1,2-Trichloroethane	0.30	ug/L		U	0		0.30		
1,1-Dichloroethane	0.3	ug/L		U	0		0.3		
1,1-Dichloroethene	0.4	ug/L		U	0		0.4		
1,1-Dichloropropene	0.3	ug/L		U	0		0.3		
1,2 Dichloroethane-d4	104	% Recovery			100	104	83 --- 116		
1,2,3-Trichlorobenzene	0.23	ug/L		U	0		0.23		
1,2,3-Trichloropropane	0.3	ug/L		U	0		0.3		
1,2,4-Trichlorobenzene	0.28	ug/L		U	0		0.28		
1,2,4-Trimethylbenzene	0.29	ug/L		U	0		0.29		
1,2-Dibromo-3-chloropropane	0.25	ug/L		U	0		0.25		
1,2-Dibromoethane	0.3	ug/L		U	0		0.3		
1,2-Dichlorobenzene	0.3	ug/L		U	0		0.3		
1,2-Dichloroethane	0.24	ug/L		U	0		0.24		
1,2-Dichloropropane	0.18	ug/L		U	0		0.18		
1,3,5-Trimethylbenzene	0.27	ug/L		U	0		0.27		
1,3-Dichlorobenzene	0.26	ug/L		U	0		0.26		
1,3-Dichloropropane	0.17	ug/L		U	0		0.17		
1,4-Dichlorobenzene	0.3	ug/L		U	0		0.3		
2,2-Dichloropropane	0.30	ug/L		U	0		0.30		
2-Butanone	2.6	ug/L		U	0		2.6		
2-Chlorotoluene	0.25	ug/L		U	0		0.25		
2-Hexanone	3	ug/L		U	0		3		
4-Chlorotoluene	0.3	ug/L		U	0		0.3		
4-Methyl-2-pentanone	2.2	ug/L		U	0		2.2		
Acetone	4	ug/L		U	0		4		
Benzene	0.4	ug/L		U	0		0.4		
Bromobenzene	0.4	ug/L		U	0		0.4		
Bromochloromethane	0.30	ug/L		U	0		0.30		
Bromodichloromethane	0.29	ug/L		U	0		0.29		
Bromofluorobenzene	103	% Recovery			100	103	80 --- 129		
Bromoform	0.4	ug/L		U	0		0.4		
Bromomethane	0.9	ug/L		U	0		0.9		
Carbon disulfide	0.6	ug/L		U	0		0.6		
Carbon tetrachloride	0.3	ug/L		U	0		0.3		
Chlorobenzene	0.3	ug/L		U	0		0.3		
Chloroethane	0.5	ug/L		U	0		0.5		
Chloroform	0.3	ug/L		U	0		0.3		
Chloromethane	0.6	ug/L		U	0		0.6		
cis-1,2-Dichloroethene	0.3	ug/L		U	0		0.3		

Method Blank Water

Analytical Run #:	192931	Analysis Date:	6/28/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021355	Analysis Time:	09:53	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	DGS	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	0.16	ug/L		U	0				0.16		
d8-Toluene	99.0	% Recovery			100	99.0	85	---	117		
Dibromochloromethane	0.3	ug/L		U	0				0.3		
Dibromofluoromethane	104	% Recovery			100	104	85	---	115		
Dibromomethane	0.22	ug/L		U	0				0.22		
Dichlorodifluoromethane	0.4	ug/L		U	0				0.4		
Diisopropyl ether	0.4	ug/L		U	0				0.4		
Ethylbenzene	0.3	ug/L		U	0				0.3		
Hexachlorobutadiene	0.4	ug/L		U	0				0.4		
Isopropylbenzene	0.3	ug/L		U	0				0.3		
m & p-Xylene	0.7	ug/L		U	0				0.7		
Methyl tert-butyl ether	0.3	ug/L		U	0				0.3		
Methylene chloride	0.4	ug/L		U	0				0.4		
n-Butylbenzene	0.29	ug/L		U	0				0.29		
n-Propylbenzene	0.3	ug/L		U	0				0.3		
Naphthalene	0.30	ug/L		U	0				0.30		
o-Xylene	0.26	ug/L		U	0				0.26		
p-Isopropyltoluene	0.3	ug/L		U	0				0.3		
sec-Butylbenzene	0.4	ug/L		U	0				0.4		
Styrene	0.29	ug/L		U	0				0.29		
tert-Butylbenzene	0.4	ug/L		U	0				0.4		
Tetrachloroethene	0.27	ug/L		U	0				0.27		
Tetrahydrofuran	3	ug/L		U	0				3		
Toluene	0.21	ug/L		U	0				0.21		
trans-1,2-Dichloroethene	0.3	ug/L		U	0				0.3		
trans-1,3-Dichloropropene	0.23	ug/L		U	0				0.23		
Trichloroethene	0.3	ug/L		U	0				0.3		
Trichlorofluoromethane	0.4	ug/L		U	0				0.4		
Vinyl acetate	5	ug/L		U	0				5		
Vinyl chloride	0.14	ug/L		U	0				0.14		

Duplicate

Analytical Run #:	193054	Analysis Date:	6/30/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1021510	Analysis Time:	22:08	Prep Date/Time:		Method:	524
Parent Sample #:	1017607	Analyst:	DGS	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	0.17	ug/L	0	U						0	20
1,1,1-Trichloroethane	0.17	ug/L	0	U						0	20
1,1,2,2-Tetrachloroethane	0.17	ug/L	0	U						0	20
1,1,2-Trichloroethane	0.17	ug/L	0	U						0	20
1,1-Dichloroethane	0.17	ug/L	0	U						0	20
1,1-Dichloroethene	0.17	ug/L	0	U						0	20
1,1-Dichloropropene	0.17	ug/L	0	U						0	20
1,2,3-Trichlorobenzene	0.17	ug/L	0	U						0	20
1,2,3-Trichloropropane	0.17	ug/L	0	U						0	20
1,2,4-Trichlorobenzene	0.17	ug/L	0	U						0	20
1,2,4-Trimethylbenzene	0.17	ug/L	0	U						0	20
1,2-Dichlorobenzene	0.17	ug/L	0	U						0	20
1,2-Dichlorobenzene-d4	102	% Recovery			100	102	80	---	120	0	
1,2-Dichloroethane	0.17	ug/L	0	U						0	20
1,2-Dichloropropane	0.17	ug/L	0	U						0	20
1,3,5-Trimethylbenzene	0.17	ug/L	0	U						0	20
1,3-Dichlorobenzene	0.17	ug/L	0	U						0	20
1,3-Dichloropropane	0.17	ug/L	0	U						0	20
1,4-Dichlorobenzene	0.17	ug/L	0	U						0	20
2,2-Dichloropropane	0.17	ug/L	0	U						0	20
2-Chlorotoluene	0.17	ug/L	0	U						0	20
4-Chlorotoluene	0.17	ug/L	0	U						0	20
Benzene	0.17	ug/L	0	U						0	20
Bromobenzene	0.17	ug/L	0	U						0	20
Bromochloromethane	0.17	ug/L	0	U						0	20
Bromodichloromethane	0.17	ug/L	0	U						0	20
Bromofluorobenzene	102	% Recovery			100	102	80	---	120	0	
Bromoform	0.17	ug/L	0	U						0	20
Bromomethane	0.17	ug/L	0	U						0	20
Carbon tetrachloride	0.17	ug/L	0	U						0	20
Chlorobenzene	0.17	ug/L	0	U						0	20
Chlorodibromomethane	0.17	ug/L	0	U						0	20
Chloroethane	0.17	ug/L	0	U						0	20
Chloroform	0.17	ug/L	0	U						0	20
Chloromethane	0.17	ug/L	0	U						0	20
cis-1,2-Dichloroethene	0.17	ug/L	0	U						0	20
cis-1,3-Dichloropropene	0.17	ug/L	0	U						0	20
Dibromomethane	0.17	ug/L	0	U						0	20
Dichlorodifluoromethane	0.17	ug/L	0	U						0	20
Ethylbenzene	0.17	ug/L	0	U						0	20
Hexachlorobutadiene	0.17	ug/L	0	U						0	20
Isopropylbenzene	0.17	ug/L	0	U						0	20

Duplicate

Analytical Run #:	193054	Analysis Date:	6/30/2021	Prep Batch #:		Matrix:	GROUND WATER
CTLab #:	1021510	Analysis Time:	22:08	Prep Date/Time:		Method:	524
Parent Sample #:	1017607	Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.17	ug/L	0	U				0	20
Methylene chloride	0.17	ug/L	0	U				0	20
n-Butylbenzene	0.17	ug/L	0	U				0	20
n-Propylbenzene	0.17	ug/L	0	U				0	20
Naphthalene	0.17	ug/L	0	U				0	20
p-Isopropyltoluene	0.17	ug/L	0	U				0	20
sec-Butylbenzene	0.17	ug/L	0	U				0	20
Styrene	0.17	ug/L	0	U				0	20
tert-Butylbenzene	0.17	ug/L	0	U				0	20
Tetrachloroethene	0.17	ug/L	0	U				0	20
Toluene	0.17	ug/L	0	U				0	20
trans-1,2-Dichloroethene	0.17	ug/L	0	U				0	20
trans-1,3-Dichloropropene	0.17	ug/L	0	U				0	20
Trichloroethene	0.17	ug/L	0	U				0	20
Trichlorofluoromethane	0.17	ug/L	0	U				0	20
Vinyl chloride	0.17	ug/L	0	U				0	20

Lab Control Spike Water

Analytical Run #:	193054	Analysis Date:	6/30/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021506	Analysis Time:	20:07	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	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			4.0	99.5	80	---	120		20
1,1,1-Trichloroethane	4.14	ug/L			4.0	104	80	---	120		20
1,1,2,2-Tetrachloroethane	3.95	ug/L			4.0	98.8	80	---	120		20
1,1,2-Trichloroethane	3.80	ug/L			4.0	95.0	80	---	120		20
1,1-Dichloroethane	3.96	ug/L			4.0	99.0	80	---	120		20
1,1-Dichloroethene	4.21	ug/L			4.0	105	80	---	120		20
1,1-Dichloropropene	4.30	ug/L			4.0	108	80	---	120		20
1,2,3-Trichlorobenzene	3.96	ug/L			4.0	99.0	80	---	120		20
1,2,3-Trichloropropane	3.93	ug/L			4.0	98.3	80	---	120		20
1,2,4-Trichlorobenzene	4.24	ug/L			4.0	106	80	---	120		20
1,2,4-Trimethylbenzene	4.09	ug/L			4.0	102	80	---	120		20
1,2-Dichlorobenzene	3.89	ug/L			4.0	97.3	80	---	120		20
1,2-Dichlorobenzene-d4	101	% Recovery			100	101	80	---	120		20
1,2-Dichloroethane	4.02	ug/L			4.0	101	80	---	120		20
1,2-Dichloropropane	3.88	ug/L			4.0	97.0	80	---	120		20
1,3,5-Trimethylbenzene	4.18	ug/L			4.0	105	80	---	120		20
1,3-Dichlorobenzene	3.98	ug/L			4.0	99.5	80	---	120		20
1,3-Dichloropropane	4.10	ug/L			4.0	103	80	---	120		20
1,4-Dichlorobenzene	3.90	ug/L			4.0	97.5	80	---	120		20
2,2-Dichloropropane	4.06	ug/L			4.0	102	80	---	120		20
2-Chlorotoluene	3.93	ug/L			4.0	98.3	80	---	120		20
4-Chlorotoluene	4.00	ug/L			4.0	100	80	---	120		20
Benzene	3.99	ug/L			4.0	99.8	80	---	120		20
Bromobenzene	4.06	ug/L			4.0	102	80	---	120		20
Bromochloromethane	3.58	ug/L			4.0	89.5	80	---	120		20
Bromodichloromethane	3.91	ug/L			4.0	97.8	80	---	120		20
Bromofluorobenzene	101	% Recovery			100	101	80	---	120		20
Bromoform	4.06	ug/L			4.0	102	80	---	120		20
Bromomethane	4.00	ug/L			4.0	100	80	---	120		20
Carbon tetrachloride	4.11	ug/L			4.0	103	80	---	120		20
Chlorobenzene	3.94	ug/L			4.0	98.5	80	---	120		20
Chlorodibromomethane	3.95	ug/L			4.0	98.8	80	---	120		20
Chloroethane	4.26	ug/L			4.0	107	80	---	120		20
Chloroform	3.85	ug/L			4.0	96.3	80	---	120		20
Chloromethane	3.86	ug/L			4.0	96.5	80	---	120		20
cis-1,2-Dichloroethene	3.89	ug/L			4.0	97.3	80	---	120		20
cis-1,3-Dichloropropene	3.99	ug/L			4.0	99.8	80	---	120		20
Dibromomethane	3.83	ug/L			4.0	95.8	80	---	120		20
Dichlorodifluoromethane	4.18	ug/L			4.0	105	80	---	120		20
Ethylbenzene	4.13	ug/L			4.0	103	80	---	120		20
Hexachlorobutadiene	4.12	ug/L			4.0	103	80	---	120		20
Isopropylbenzene	4.20	ug/L			4.0	105	80	---	120		20

Lab Control Spike Water

Analytical Run #:	193054	Analysis Date:	6/30/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021506	Analysis Time:	20:07	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
Methyl tert-butyl ether	3.98	ug/L			4.0	99.5	80	---	120		20
Methylene chloride	4.08	ug/L			4.0	102	80	---	120		20
n-Butylbenzene	4.25	ug/L			4.0	106	80	---	120		20
n-Propylbenzene	4.10	ug/L			4.0	103	80	---	120		20
Naphthalene	4.12	ug/L			4.0	103	80	---	120		20
p-Isopropyltoluene	4.14	ug/L			4.0	104	80	---	120		20
sec-Butylbenzene	4.22	ug/L			4.0	106	80	---	120		20
Styrene	4.11	ug/L			4.0	103	80	---	120		20
tert-Butylbenzene	4.20	ug/L			4.0	105	80	---	120		20
Tetrachloroethene	3.99	ug/L			4.0	99.8	80	---	120		20
Toluene	4.03	ug/L			4.0	101	80	---	120		20
trans-1,2-Dichloroethene	3.78	ug/L			4.0	94.5	80	---	120		20
trans-1,3-Dichloropropene	4.01	ug/L			4.0	100	80	---	120		20
Trichloroethene	4.06	ug/L			4.0	102	80	---	120		20
Trichlorofluoromethane	4.14	ug/L			4.0	104	80	---	120		20
Vinyl chloride	4.03	ug/L			4.0	101	80	---	120		20

Lab Control Spike Water

Analytical Run #:	193054	Analysis Date:	7/1/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021513	Analysis Time:	08:22	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.16	ug/L			4.0	104	80	---	120		20
1,1,1-Trichloroethane	4.10	ug/L			4.0	103	80	---	120		20
1,1,2,2-Tetrachloroethane	3.86	ug/L			4.0	96.5	80	---	120		20
1,1,2-Trichloroethane	3.88	ug/L			4.0	97.0	80	---	120		20
1,1-Dichloroethane	4.14	ug/L			4.0	104	80	---	120		20
1,1-Dichloroethene	4.13	ug/L			4.0	103	80	---	120		20
1,1-Dichloropropene	4.43	ug/L			4.0	111	80	---	120		20
1,2,3-Trichlorobenzene	3.63	ug/L			4.0	90.8	80	---	120		20
1,2,3-Trichloropropane	4.07	ug/L			4.0	102	80	---	120		20
1,2,4-Trichlorobenzene	3.63	ug/L			4.0	90.8	80	---	120		20
1,2,4-Trimethylbenzene	3.87	ug/L			4.0	96.8	80	---	120		20
1,2-Dichlorobenzene	3.81	ug/L			4.0	95.3	80	---	120		20
1,2-Dichlorobenzene-d4	100	% Recovery			100	100	80	---	120		20
1,2-Dichloroethane	4.10	ug/L			4.0	103	80	---	120		20
1,2-Dichloropropane	4.02	ug/L			4.0	101	80	---	120		20
1,3,5-Trimethylbenzene	3.96	ug/L			4.0	99.0	80	---	120		20
1,3-Dichlorobenzene	4.04	ug/L			4.0	101	80	---	120		20
1,3-Dichloropropane	4.04	ug/L			4.0	101	80	---	120		20
1,4-Dichlorobenzene	3.78	ug/L			4.0	94.5	80	---	120		20
2,2-Dichloropropane	5.04	ug/L			4.0	126	80	---	120		20
2-Chlorotoluene	3.96	ug/L			4.0	99.0	80	---	120		20
4-Chlorotoluene	3.93	ug/L			4.0	98.3	80	---	120		20
Benzene	4.01	ug/L			4.0	100	80	---	120		20
Bromobenzene	4.02	ug/L			4.0	101	80	---	120		20
Bromochloromethane	4.04	ug/L			4.0	101	80	---	120		20
Bromodichloromethane	3.85	ug/L			4.0	96.3	80	---	120		20
Bromofluorobenzene	101	% Recovery			100	101	80	---	120		20
Bromoform	4.03	ug/L			4.0	101	80	---	120		20
Bromomethane	3.84	ug/L			4.0	96.0	80	---	120		20
Carbon tetrachloride	4.23	ug/L			4.0	106	80	---	120		20
Chlorobenzene	3.98	ug/L			4.0	99.5	80	---	120		20
Chlorodibromomethane	4.04	ug/L			4.0	101	80	---	120		20
Chloroethane	4.30	ug/L			4.0	108	80	---	120		20
Chloroform	3.86	ug/L			4.0	96.5	80	---	120		20
Chloromethane	3.69	ug/L			4.0	92.3	80	---	120		20
cis-1,2-Dichloroethene	3.86	ug/L			4.0	96.5	80	---	120		20
cis-1,3-Dichloropropene	4.15	ug/L			4.0	104	80	---	120		20
Dibromomethane	4.07	ug/L			4.0	102	80	---	120		20
Dichlorodifluoromethane	4.48	ug/L			4.0	112	80	---	120		20
Ethylbenzene	4.01	ug/L			4.0	100	80	---	120		20
Hexachlorobutadiene	4.13	ug/L			4.0	103	80	---	120		20
Isopropylbenzene	4.00	ug/L			4.0	100	80	---	120		20

Lab Control Spike Water

Analytical Run #:	193054	Analysis Date:	7/1/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021513	Analysis Time:	08:22	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits			RPD	RPD Limit
Methyl tert-butyl ether	4.05	ug/L			4.0	101	80	---	120		20
Methylene chloride	4.21	ug/L			4.0	105	80	---	120		20
n-Butylbenzene	3.94	ug/L			4.0	98.5	80	---	120		20
n-Propylbenzene	3.99	ug/L			4.0	99.8	80	---	120		20
Naphthalene	3.47	ug/L			4.0	86.8	80	---	120		20
p-Isopropyltoluene	3.99	ug/L			4.0	99.8	80	---	120		20
sec-Butylbenzene	4.08	ug/L			4.0	102	80	---	120		20
Styrene	4.00	ug/L			4.0	100	80	---	120		20
tert-Butylbenzene	3.92	ug/L			4.0	98.0	80	---	120		20
Tetrachloroethene	4.13	ug/L			4.0	103	80	---	120		20
Toluene	3.99	ug/L			4.0	99.8	80	---	120		20
trans-1,2-Dichloroethene	3.90	ug/L			4.0	97.5	80	---	120		20
trans-1,3-Dichloropropene	4.40	ug/L			4.0	110	80	---	120		20
Trichloroethene	4.01	ug/L			4.0	100	80	---	120		20
Trichlorofluoromethane	4.27	ug/L			4.0	107	80	---	120		20
Vinyl chloride	4.24	ug/L			4.0	106	80	---	120		20

Method Blank Water

Analytical Run #:	193054	Analysis Date:	6/30/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021512	Analysis Time:	21:07	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	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	0.3	ug/L		U	0				0.3		
1,1,1-Trichloroethane	0.28	ug/L		U	0				0.28		
1,1,2,2-Tetrachloroethane	0.5	ug/L		U	0				0.5		
1,1,2-Trichloroethane	0.4	ug/L		U	0				0.4		
1,1-Dichloroethane	0.28	ug/L		U	0				0.28		
1,1-Dichloroethene	0.3	ug/L		U	0				0.3		
1,1-Dichloropropene	0.3	ug/L		U	0				0.3		
1,2,3-Trichlorobenzene	0.5	ug/L		U	0				0.5		
1,2,3-Trichloropropane	0.25	ug/L		U	0				0.25		
1,2,4-Trichlorobenzene	0.4	ug/L		U	0				0.4		
1,2,4-Trimethylbenzene	0.3	ug/L		U	0				0.3		
1,2-Dichlorobenzene	0.4	ug/L		U	0				0.4		
1,2-Dichlorobenzene-d4	102	% Recovery			100	102	80	---	120		
1,2-Dichloroethane	0.23	ug/L		U	0				0.23		
1,2-Dichloropropane	0.3	ug/L		U	0				0.3		
1,3,5-Trimethylbenzene	0.29	ug/L		U	0				0.29		
1,3-Dichlorobenzene	0.26	ug/L		U	0				0.26		
1,3-Dichloropropane	0.3	ug/L		U	0				0.3		
1,4-Dichlorobenzene	0.29	ug/L		U	0				0.29		
2,2-Dichloropropane	0.4	ug/L		U	0				0.4		
2-Chlorotoluene	0.3	ug/L		U	0				0.3		
4-Chlorotoluene	0.4	ug/L		U	0				0.4		
Benzene	0.26	ug/L		U	0				0.26		
Bromobenzene	0.4	ug/L		U	0				0.4		
Bromochloromethane	0.4	ug/L		U	0				0.4		
Bromodichloromethane	0.24	ug/L		U	0				0.24		
Bromofluorobenzene	104	% Recovery			100	104	80	---	120		
Bromoform	0.4	ug/L		U	0				0.4		
Bromomethane	0.4	ug/L		U	0				0.4		
Carbon tetrachloride	0.28	ug/L		U	0				0.28		
Chlorobenzene	0.25	ug/L		U	0				0.25		
Chlorodibromomethane	0.4	ug/L		U	0				0.4		
Chloroethane	0.4	ug/L		U	0				0.4		
Chloroform	0.23	ug/L		U	0				0.23		
Chloromethane	0.19	ug/L		U	0				0.19		
cis-1,2-Dichloroethene	0.28	ug/L		U	0				0.28		
cis-1,3-Dichloropropene	0.22	ug/L		U	0				0.22		
Dibromomethane	0.3	ug/L		U	0				0.3		
Dichlorodifluoromethane	0.3	ug/L		U	0				0.3		
Ethylbenzene	0.27	ug/L		U	0				0.27		
Hexachlorobutadiene	0.4	ug/L		U	0				0.4		
Isopropylbenzene	0.29	ug/L		U	0				0.29		

Method Blank Water

Analytical Run #:	193054	Analysis Date:	6/30/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021512	Analysis Time:	21:07	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.26	ug/L		U	0		0.26		
Methylene chloride	0.30	ug/L		U	0		0.30		
n-Butylbenzene	0.3	ug/L		U	0		0.3		
n-Propylbenzene	0.26	ug/L		U	0		0.26		
Naphthalene	0.519	ug/L			0		0.5		
p-Isopropyltoluene	0.25	ug/L		U	0		0.25		
sec-Butylbenzene	0.26	ug/L		U	0		0.26		
Styrene	0.3	ug/L		U	0		0.3		
tert-Butylbenzene	0.24	ug/L		U	0		0.24		
Tetrachloroethene	0.26	ug/L		U	0		0.26		
Toluene	0.25	ug/L		U	0		0.25		
trans-1,2-Dichloroethene	0.23	ug/L		U	0		0.23		
trans-1,3-Dichloropropene	0.28	ug/L		U	0		0.28		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.24	ug/L		U	0		0.24		
Vinyl chloride	0.17	ug/L		U	0		0.17		

Method Blank Water

Analytical Run #:	193054	Analysis Date:	7/1/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021640	Analysis Time:	09:22	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	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	0.3	ug/L		U	0				0.3		
1,1,1-Trichloroethane	0.28	ug/L		U	0				0.28		
1,1,2,2-Tetrachloroethane	0.5	ug/L		U	0				0.5		
1,1,2-Trichloroethane	0.4	ug/L		U	0				0.4		
1,1-Dichloroethane	0.28	ug/L		U	0				0.28		
1,1-Dichloroethene	0.3	ug/L		U	0				0.3		
1,1-Dichloropropene	0.3	ug/L		U	0				0.3		
1,2,3-Trichlorobenzene	0.5	ug/L		U	0				0.5		
1,2,3-Trichloropropane	0.25	ug/L		U	0				0.25		
1,2,4-Trichlorobenzene	0.4	ug/L		U	0				0.4		
1,2,4-Trimethylbenzene	0.3	ug/L		U	0				0.3		
1,2-Dichlorobenzene	0.4	ug/L		U	0				0.4		
1,2-Dichlorobenzene-d4	105	% Recovery			100	105	80	---	120		
1,2-Dichloroethane	0.23	ug/L		U	0				0.23		
1,2-Dichloropropane	0.3	ug/L		U	0				0.3		
1,3,5-Trimethylbenzene	0.29	ug/L		U	0				0.29		
1,3-Dichlorobenzene	0.26	ug/L		U	0				0.26		
1,3-Dichloropropane	0.3	ug/L		U	0				0.3		
1,4-Dichlorobenzene	0.29	ug/L		U	0				0.29		
2,2-Dichloropropane	0.4	ug/L		U	0				0.4		
2-Chlorotoluene	0.3	ug/L		U	0				0.3		
4-Chlorotoluene	0.4	ug/L		U	0				0.4		
Benzene	0.26	ug/L		U	0				0.26		
Bromobenzene	0.4	ug/L		U	0				0.4		
Bromochloromethane	0.4	ug/L		U	0				0.4		
Bromodichloromethane	0.24	ug/L		U	0				0.24		
Bromofluorobenzene	102	% Recovery			100	102	80	---	120		
Bromoform	0.4	ug/L		U	0				0.4		
Bromomethane	0.4	ug/L		U	0				0.4		
Carbon tetrachloride	0.28	ug/L		U	0				0.28		
Chlorobenzene	0.25	ug/L		U	0				0.25		
Chlorodibromomethane	0.4	ug/L		U	0				0.4		
Chloroethane	0.4	ug/L		U	0				0.4		
Chloroform	0.522	ug/L			0				0.23		
Chloromethane	0.19	ug/L		U	0				0.19		
cis-1,2-Dichloroethene	0.28	ug/L		U	0				0.28		
cis-1,3-Dichloropropene	0.22	ug/L		U	0				0.22		
Dibromomethane	0.3	ug/L		U	0				0.3		
Dichlorodifluoromethane	0.3	ug/L		U	0				0.3		
Ethylbenzene	0.27	ug/L		U	0				0.27		
Hexachlorobutadiene	0.4	ug/L		U	0				0.4		
Isopropylbenzene	0.29	ug/L		U	0				0.29		

Method Blank Water

Analytical Run #:	193054	Analysis Date:	7/1/2021	Prep Batch #:		Matrix:	LIQUID
CTLab #:	1021640	Analysis Time:	09:22	Prep Date/Time:		Method:	524
Parent Sample #:		Analyst:	DGS	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.26	ug/L		U	0		0.26		
Methylene chloride	0.30	ug/L		U	0		0.30		
n-Butylbenzene	0.3	ug/L		U	0		0.3		
n-Propylbenzene	0.26	ug/L		U	0		0.26		
Naphthalene	0.5	ug/L		U	0		0.5		
p-Isopropyltoluene	0.25	ug/L		U	0		0.25		
sec-Butylbenzene	0.26	ug/L		U	0		0.26		
Styrene	0.3	ug/L		U	0		0.3		
tert-Butylbenzene	0.24	ug/L		U	0		0.24		
Tetrachloroethene	0.26	ug/L		U	0		0.26		
Toluene	0.25	ug/L		U	0		0.25		
trans-1,2-Dichloroethene	0.23	ug/L		U	0		0.23		
trans-1,3-Dichloropropene	0.28	ug/L		U	0		0.28		
Trichloroethene	0.3	ug/L		U	0		0.3		
Trichlorofluoromethane	0.24	ug/L		U	0		0.24		
Vinyl chloride	0.17	ug/L		U	0		0.17		

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #:	162588	Print Date / Time:	06/21/2021 08:26
Client:	TRC ENVIRONMENTAL	Received Date / Time / By:	06/19/2021 11:57 SRW
Project Name:	RIPON FF/NN LANDFILL	Log-In Date / Time / By:	06/21/2021 08:26 erc
Project Phase:		Project #: 421748	PM: BMS
Coolers:	6680, 5977	Temperature:	<2.8 C On Ice: **Y**
Custody Seals Present :	**Y**	COC Present:? **Y**	Complete? **Y**
Seal Intact?	**Y**	Numbers:	DATED AND SIGNED
Ship Method:	FEDEX EXPRESS	Tracking Number:	774019958937, "9360
Adequate Packaging:	**Y**	Temp Blank Enclosed?	**Y**

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

ONE CUSTODY SEAL WAS PRESENT AND INTACT ON EACH COOLER UPON RECEIPT - BOTH WERE DATED 6-18-21 AND SIGNED.

BOTTLES LABELED FOR TOTAL SULFATE, NITRATE + NITRITE, AND DISSOLVED MANGANESE WERE RECEIVED FOR SAMPLE P-107 BUT THESE TESTS WERE NOT MARKED ON THE COC. THIS SAMPLE WAS LOGGED PER THE BOTTLES RECEIVED.

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1017470 MW-103				
	UNPRES PL	1	/	Anions
	Total # of Containers of Type (***UNPRES PL***) = **1**			
1017470 MW-103				
	HNO3	1	Y / N	ICP
	Total # of Containers of Type (***HNO3***) = **1**			
1017470 MW-103				
	H2SO4 PL	1	Y / N	NO23
	Total # of Containers of Type (***H2SO4 PL***) = **1**			
1017470 MW-103				
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	VOA HCL	1	/	VOC
	Total # of Containers of Type (***VOA HCL***) = **3**			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1017471 MW-104				
	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

1017472	MW-107					
		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
1017473	MW-112					
		UNPRES PL	1		/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1017473	MW-112					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017473	MW-112					
		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017473	MW-112					
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Filtered?	Tests
1017474	P-103					
		UNPRES PL	1		/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1017474	P-103					
		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017474	P-103					
		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017474	P-103					
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		VOA HCL	1		/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			

Sample ID /	Description	Container Type	Cond. Code	pH OK?	Filtered?	Tests
1017476	P-106					
		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
1017477	P-107				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1017477	P-107				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1017477	P-107				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1017477	P-107				
		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
1017478	MW-3B				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1017478	MW-3B				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1017478	MW-3B				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1017478	MW-3B				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1017479	P-103D				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1017479	P-103D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1017479	P-103D				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		

Sample ID /	Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
1017479	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**
1017480	P-111D				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1017480	P-111D				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1017480	P-111D				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1017480	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**
1017481	P-113B				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1017481	P-113B				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type (*HNO3*) = 1			
1017481	P-113B				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type (*H2SO4 PL*) = 1			
1017481	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**
1017482	P-114				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type (*UNPRES PL*) = 1			
1017482	P-114				

		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017482	P-114					
		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017482	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
1017483	P-115				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1017483	P-115				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1017483	P-115				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1017483	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
1017484	P-116				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1017484	P-116				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1017484	P-116				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1017484	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

1017485	P-117						
		UNPRES PL	1		/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**				
1017485	P-117						
		HNO3	1	Y	/	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**				
1017485	P-117						
		H2SO4 PL	1	Y	/	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**				
1017485	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
1017486	P-118					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1017486	P-118					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017486	P-118					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017486	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
1017607	RHODE					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			
1017608	MW-3A					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1017608	MW-3A					

		HNO3	1	Y	/ N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017608	MW-3A					
		H2SO4 PL	1	Y	/ N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017608	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
1017609	P-113A				
		UNPRES PL	1	/	Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**		
1017609	P-113A				
		HNO3	1	Y / N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**		
1017609	P-113A				
		H2SO4 PL	1	Y / N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**		
1017609	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
1017610	LC-1				
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		VOA HCL	1	/	VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**		
1017611	LC-2				
		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
1017612	LC-3				
		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**
1017613	TRIP BLANK					
		Trip Blank	1	/		VOC
		Trip Blank	1	/		VOC
		Trip Blank	1	/		VOC
		TRIP BLANK	1	N /	N	VOC
		Total # of Containers of Type	(***TRIP BLANK***) = **4**			
Sample ID /	**Description**	**Container Type**	**Cond. Code**	**pH OK?/Filtered?**		**Tests**
1017614	DUP-1					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1017614	DUP-1					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017614	DUP-1					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017614	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**
1017617	P-107D					
		UNPRES PL	1	/		Anions
		Total # of Containers of Type	(***UNPRES PL***) = **1**			
1017617	P-107D					
		HNO3	1	Y /	N	ICP
		Total # of Containers of Type	(***HNO3***) = **1**			
1017617	P-107D					
		H2SO4 PL	1	Y /	N	NO23
		Total # of Containers of Type	(***H2SO4 PL***) = **1**			
1017617	P-107D					
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		VOA HCL	1	/		VOC
		Total # of Containers of Type	(***VOA HCL***) = **3**			

Condition Code	*Condition Description*
1	Sample Received OK

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Company: TRC
Project Contact: Andy Stehn
Telephone: 608-807-8112
Project Name: FFINN Ripon LF
Project #: 421748
Location: Ripon, WI
Sampled By: J. Roelke / A. Sobbe

CT LABORATORIES

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

Folder #: 162588
Company: TRC ENVIRONMENTAL
Project: RIPON SUPERFUND LF
Logged By: erc PM: BMS

Program:
QSM RCRA SDWA NPDES
Solid Waste Other ______

PO #

Report To:
EMAIL:
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

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

Client Special Instructions

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

Filtered? Y/(N)

ANALYSES REQUESTED: 8260C VOCs; Total Sulfate 9056; Nitrate+Nitrite 9056; Mn 6010C

Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	8260C VOCs	Total Sulfate 9056	Nitrate+Nitrite 9056	Mn 6010C		CT Lab ID # (Lab use only)
6-18-21	1040	GW	G		MW-103	3	1	1	1		1617470
6-18-21	1155	↓	↓		MW-104	3					71
6-18-21	~~1035~~ 947	↓	↓		MW-107	3					72
6-18-21	1115	↓	↓		MW-112	3	1	1	1		73
6-18-21	1000	↓	↓		P-103	3	1	1	1		74
6-18-21	745	↓	↓		P-106	3					76
6-18-21	1035	↓	↓		P-107	3	1	1	1	ERC 6/21	77
6-18-21	715	↓	↓		MW3B	3	1	1	1		78
6-16-21	845	↓	↓		P-~~103D~~ 103D	3	1	1	1		79
6-17-21	1610	↓	↓		P-111D	3	1	1	1		80
6-17-21	858	↓	↓		P-113B	3	1	1	1		81
6-17-21	1205	↓	↓		P-114	1	1	1	1		82

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%

Total # Containers
Designated MS/MSD

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6-18-21 / 1700	[signature] for SRW	6/19/21 1157
Received by:	Date/Time	Received for Laboratory by: [signature]	6/21/21 852

Lab Use Only
Ice Present (Yes) No
Obs. Temp <2.4 IR Gun 28
Act. Temp <2.8 Cooler 66505TT

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Company: TRC
Project Contact: Andy Stehn
Telephone: 608-807-8112
Project Name: FF/NN Ripon LF
Project #: 421748
Location: Ripon, WI
Sampled By: J. Roelke / A. Sobba

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

Lab Use Only
Place Header Sticker Here:
162588

Program:
QSM RCRA SDWA NPDES
Solid Waste Other ______

PO #

Report To:
EMAIL:
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

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

Client Special Instructions

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

Filtered? Y/N (N circled)

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

ANALYSES REQUESTED — Fill in Spaces with Bottles per Test

Date	Time	Matrix	Grab/Comp	Sample #	Sample ID Description	8260C VOCs	Total Sulfate 9056	Nitrate+Nitrite 9056	Mn 6010C	VOCs 524.2	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
6-17-21	1105	GW	G		P-115	3	1	1	1				1017483
6-17-21	1435				P-116	3	1	1	1				" 484
6-18-21	755				P-117	3	1	1	1				" 485
6-18-21	900				P-118	3	1	1	1				" 486
6-17-21	1630				~~P-119~~ Rhode	~~3~~				3			" 607
6-17-21	1755				MW-3A	3	1	1	1				" 608
6-17-21	1725				P-107D	3	1	1	1				" 617 ~~09~~
6-17-21	950				P-113A	3	1	1	1				" 609
6-18-21	1125	L			LC-1	3							" 610
6-18-21	1140	L			LC-2	3							" 611
6-18-21	1200	L			LC-3	3							" 612
6-18-21	-	GW			Trip Blank	4							" 613

Relinquished By: [signature] Date/Time: 6-18-21 / 1700
Received By: [signature] Date/Time: [illegible] 1157
Received by: Date/Time:
Received for Laboratory by: [signature] Date/Time: [illegible] 852

Lab Use Only
Ice Present Yes (circled) No
Obs. Temp <2.4 IR Gun 28
Act. Temp <2.4 Cooler [illegible]

Form #FPM3-04 Rev. 09/2020

CHAIN OF CUSTODY

Company: TRC
Project Contact: Andy Stehn
Telephone: 608-807-8112
Project Name: FF/NN Ripon LF
Project #: 421748
Location: Ripon, WI
Sampled By: J. Rourke/A. Sobbe

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

Lab Use Only
Place Header Sticker Here:

162588

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL:
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

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

Client Special Instructions

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

ANALYSES REQUESTED

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	8260C VOCs	Total Sulfate 9056	Nitrate+Nitrite 9056	Mn 6010C	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
							Fill in Spaces with Bottles per Test						
6-17-21	—	GW	G		Dup-1		3	1	1	1			1017614

AS
6-18-21

Relinquished By:	Date/Time	Received By:	Date/Time
	6-18-21 / 1700		6/19/21 1157
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			6/21/21 852

Lab Use Only
Ice Present (Yes) No
Obs. Temp 2.4 IR Gun 28
Act. Temp 2.5 Cooler 6684, 5477

Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 2.3

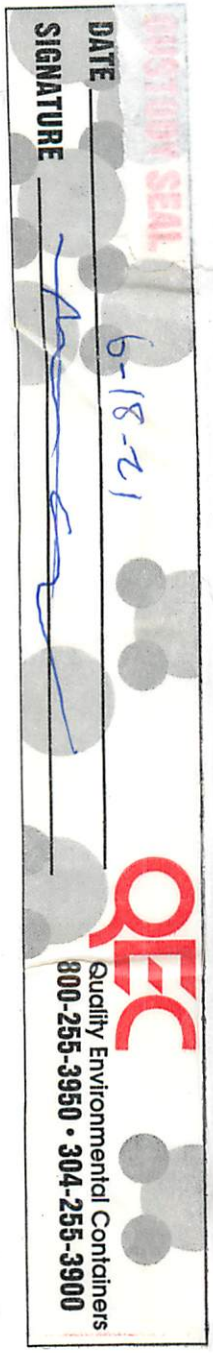
Actual Temperature 2.7

IR Gun # 28

Initials JRM

Date 6/19/21 Time 11:57

Cooler #: 6680



Cooler Receipt Form

Ice Present (YES) NO

Observed Temperature 1.2

Actual Temperature 1.6

IR Gun # 28

Initials SRW

Date 6/19/21 Time 11:57

Cooler #: 5977

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

June 23, 2021

Dennis Linley
CT Laboratories
1230 Lange Court
Baraboo, WI 53913

RE: FF/NN Landfill Ripon / 421748

Dear Dennis:

Enclosed are the results of the samples submitted to our laboratory on June 21, 2021. For your reference, these analyses have been assigned our service request number P2103333.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 3:40 pm, Jul 15, 2021

Sue Anderson
Project Manager

Data assessment (ALS, Simi Valley, CA; Service Request No: P2103333):
All holding times, field qc, and lab qc met criteria, except as specified below.
- Results were reported to the Method Reporting Limit (MRL).
- The lower control criterion was exceeded for methyl tert-butyl ether in the Laboratory Control Sample (LCS) analyzed on 07/12/21. The error associated with the reduced recovery equates to a potential low bias. However, a Method Reporting Limit (MRL) check standard containing the analyte of concern was analyzed and verified that instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Since the sensitivity was verified and the samples were non-detect, the data quality has not been significantly affected. No further corrective action was taken.
Data has been reviewed per TRC data usability guidelines and is usable with the above notations.
P Popp, 8/9/2021

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: CT Laboratories
Project: FF/NN Landfill Ripon / 421748

Service Request No: P2103333

CASE NARRATIVE

The samples were received intact under chain of custody on June 21, 2021 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The lower control criterion was exceeded for methyl tert-butyl ether in the Laboratory Control Sample (LCS) analyzed on 07/12/21. The error associated with the reduced recovery equates to a potential low bias. However, a Method Reporting Limit (MRL) check standard containing the analyte of concern was analyzed and verified that instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Since the sensitivity was verified and the samples were non-detect, the data quality has not been significantly affected. No further corrective action was taken.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.3 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-008
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: CT Laboratories
Service Request: P2103333
Project ID: FF/NN Landfill Ripon / 421748

Date Received: 6/21/2021
Time Received: 09:00

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pfl (psig)	TO-15 - VOC Cans
GP-3	P2103333-001	Air	6/17/2021	13:48	1SS01310	-3.07	7.45	X
LC-3	P2103333-002	Air	6/17/2021	13:55	1SS00938	-4.14	7.33	X
LC-1	P2103333-003	Air	6/17/2021	14:05	1SC00859	-2.39	7.80	X
GV-6	P2103333-004	Air	6/17/2021	14:11	1SC00170	-3.10	8.22	X
LC-2	P2103333-005	Air	6/17/2021	14:17	1SS00786	-4.77	7.13	X

Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. R2103333

Company Name & Address (Reporting Information)	TRC 700 Heartland Tr. Suite 3000 Madison WI 53717
Project Manager	Andy Stehn
Phone	(608) 807-8112
Fax	
Email Address for Result Reporting	astehn@trccompanies.com
Project Name	F-F/NW Landfill Ripon
Project Number	421748
P.O. # / Billing Information	164500
Sampler (Print & Sign)	John Roelke
ALS Contact:	

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15		Comments e.g. Actual Preservative or specific instructions
GP-3		6/17/21	13:48	1SS01370	0A01762	29.5	5.0	24.5	X		
LC-3			13:55	1SS00938	0A00834	29.75	8.5	21.25			
LC-1			14:05	1SC00859	0A01792	29.75	5.0	24.75			
GV-6			14:11	1SC00170	0A01628	29.0	6.0	23.0			
LC-2			14:17	1SS00786	0A02191	29.75	9.39	20.36			

5 of 28

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ____ EDD required Yes / No

Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____ Type: _____ Units: _____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date: 6/17/21	Time: 15:30	Received by: (Signature)	Date: 6-21-21	Time: 0900	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: CT Laboratories Work order: P2103333

Project: FF/NN Landfill Ripon / 421748

Sample(s) received on: 6/21/21 Date opened: 6/21/21 by: DENISE.POSADA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2103333-001.01	1.0 L Source Silonite Canister					
P2103333-002.01	1.0 L Source Silonite Canister					
P2103333-003.01	1.0 L Source Can					
P2103333-004.01	1.0 L Source Can					
P2103333-005.01	1.0 L Source Silonite Canister					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **GP-3** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-001

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS01310

Initial Pressure (psig): -3.07 Final Pressure (psig): 7.45

Canister Dilution Factor: 1.90

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	2.5	ND	1.4	
75-71-8	Dichlorodifluoromethane (CFC 12)	**8.1**	2.5	**1.6**	0.50	
74-87-3	Chloromethane	ND	2.5	ND	1.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	2.5	ND	0.35	
75-01-4	Vinyl Chloride	ND	2.5	ND	0.99	
106-99-0	1,3-Butadiene	ND	2.5	ND	1.1	
74-83-9	Bromomethane	ND	2.5	ND	0.64	
75-00-3	Chloroethane	ND	2.5	ND	0.94	
64-17-5	Ethanol	**25**	25	**13**	13	
75-05-8	Acetonitrile	ND	2.5	ND	1.5	
107-02-8	Acrolein	ND	5.2	ND	2.3	
67-64-1	Acetone	ND	25	ND	10	
75-69-4	Trichlorofluoromethane (CFC 11)	**2.5**	2.4	**0.44**	0.43	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	4.8	ND	1.9	
107-13-1	Acrylonitrile	ND	4.8	ND	2.2	
75-35-4	1,1-Dichloroethene	ND	2.5	ND	0.62	
75-09-2	Methylene Chloride	ND	2.5	ND	0.71	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	2.5	ND	0.79	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	2.5	ND	0.33	
75-15-0	Carbon Disulfide	ND	4.8	ND	1.5	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	ND	0.64	
75-34-3	1,1-Dichloroethane	ND	2.6	ND	0.63	
1634-04-4	Methyl tert-Butyl Ether	ND	2.5	ND	0.69	
108-05-4	Vinyl Acetate	ND	26	ND	7.4	
78-93-3	2-Butanone (MEK)	**5.0**	4.8	**1.7**	1.6	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **GP-3** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-001

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS01310

Initial Pressure (psig): -3.07 Final Pressure (psig): 7.45

Canister Dilution Factor: 1.90

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	**3.1**	2.5	**0.78**	0.62	
141-78-6	Ethyl Acetate	**16**	4.8	**4.5**	1.3	
110-54-3	n-Hexane	ND	2.5	ND	0.70	
67-66-3	Chloroform	ND	2.5	ND	0.52	
109-99-9	Tetrahydrofuran (THF)	ND	4.8	ND	1.6	
107-06-2	1,2-Dichloroethane	ND	2.5	ND	0.61	
71-55-6	1,1,1-Trichloroethane	ND	2.5	ND	0.45	
71-43-2	Benzene	ND	2.5	ND	0.77	
56-23-5	Carbon Tetrachloride	ND	2.4	ND	0.39	
110-82-7	Cyclohexane	ND	4.8	ND	1.4	
78-87-5	1,2-Dichloropropane	ND	2.5	ND	0.53	
75-27-4	Bromodichloromethane	ND	2.5	ND	0.37	
79-01-6	Trichloroethene	**27**	2.4	**4.9**	0.45	
123-91-1	1,4-Dioxane	ND	2.5	ND	0.69	
80-62-6	Methyl Methacrylate	ND	4.8	ND	1.2	
142-82-5	n-Heptane	ND	2.5	ND	0.60	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	ND	0.55	
108-10-1	4-Methyl-2-pentanone	ND	4.8	ND	1.2	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	ND	0.53	
79-00-5	1,1,2-Trichloroethane	ND	2.5	ND	0.45	
108-88-3	Toluene	ND	2.5	ND	0.66	
591-78-6	2-Hexanone	ND	4.8	ND	1.2	
124-48-1	Dibromochloromethane	ND	2.5	ND	0.29	
106-93-4	1,2-Dibromoethane	ND	2.5	ND	0.32	
123-86-4	n-Butyl Acetate	ND	4.8	ND	1.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **GP-3** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-001

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS01310

Initial Pressure (psig): -3.07 Final Pressure (psig): 7.45

Canister Dilution Factor: 1.90

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	2.5	ND	0.53	
127-18-4	Tetrachloroethene	**32**	2.5	**4.7**	0.36	
108-90-7	Chlorobenzene	ND	2.5	ND	0.54	
100-41-4	Ethylbenzene	ND	2.5	ND	0.57	
179601-23-1	m,p-Xylenes	ND	4.8	ND	1.1	
75-25-2	Bromoform	ND	2.5	ND	0.24	
100-42-5	Styrene	**4.0**	2.5	**0.95**	0.58	
95-47-6	o-Xylene	**3.7**	2.5	**0.84**	0.58	
111-84-2	n-Nonane	ND	2.5	ND	0.48	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	ND	0.37	
98-82-8	Cumene	ND	2.5	ND	0.50	
80-56-8	alpha-Pinene	**4.4**	2.5	**0.80**	0.45	
103-65-1	n-Propylbenzene	ND	2.5	ND	0.50	
622-96-8	4-Ethyltoluene	ND	2.5	ND	0.51	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	ND	0.51	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	ND	0.50	
100-44-7	Benzyl Chloride	ND	5.0	ND	0.96	
541-73-1	1,3-Dichlorobenzene	ND	2.5	ND	0.42	
106-46-7	1,4-Dichlorobenzene	ND	2.5	ND	0.41	
95-50-1	1,2-Dichlorobenzene	ND	2.5	ND	0.42	
5989-27-5	d-Limonene	**4.6**	2.5	**0.83**	0.44	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	ND	0.49	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	ND	0.64	
91-20-3	Naphthalene	ND	2.5	ND	0.47	
87-68-3	Hexachlorobutadiene	ND	2.5	ND	0.23	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **LC-3** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-002

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00938

Initial Pressure (psig): -4.14 Final Pressure (psig): 7.33

Canister Dilution Factor: 2.09

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	2.7	ND	1.6	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	2.7	ND	0.55	
74-87-3	Chloromethane	ND	2.7	ND	1.3	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	2.7	ND	0.39	
75-01-4	Vinyl Chloride	ND	2.8	ND	1.1	
106-99-0	1,3-Butadiene	ND	2.7	ND	1.2	
74-83-9	Bromomethane	ND	2.7	ND	0.70	
75-00-3	Chloroethane	ND	2.7	ND	1.0	
64-17-5	Ethanol	ND	28	ND	15	
75-05-8	Acetonitrile	ND	2.8	ND	1.7	
107-02-8	Acrolein	ND	5.7	ND	2.5	
67-64-1	Acetone	ND	27	ND	11	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	2.7	ND	0.47	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.2	ND	2.1	
107-13-1	Acrylonitrile	ND	5.2	ND	2.4	
75-35-4	1,1-Dichloroethene	ND	2.7	ND	0.69	
75-09-2	Methylene Chloride	ND	2.7	ND	0.78	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	2.7	ND	0.87	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	2.8	ND	0.36	
75-15-0	Carbon Disulfide	ND	5.2	ND	1.7	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	ND	0.70	
75-34-3	1,1-Dichloroethane	ND	2.8	ND	0.70	
1634-04-4	Methyl tert-Butyl Ether	ND	2.7	ND	0.75	
108-05-4	Vinyl Acetate	ND	29	ND	8.2	
78-93-3	2-Butanone (MEK)	ND	5.2	ND	1.8	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **LC-3** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-002

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00938

Initial Pressure (psig): -4.14 Final Pressure (psig): 7.33

Canister Dilution Factor: 2.09

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	2.7	ND	0.69	
141-78-6	Ethyl Acetate	**26**	5.2	**7.3**	1.5	
110-54-3	n-Hexane	ND	2.7	ND	0.77	
67-66-3	Chloroform	ND	2.8	ND	0.57	
109-99-9	Tetrahydrofuran (THF)	ND	5.2	ND	1.8	
107-06-2	1,2-Dichloroethane	ND	2.7	ND	0.67	
71-55-6	1,1,1-Trichloroethane	ND	2.7	ND	0.50	
71-43-2	Benzene	ND	2.7	ND	0.85	
56-23-5	Carbon Tetrachloride	ND	2.7	ND	0.42	
110-82-7	Cyclohexane	ND	5.2	ND	1.5	
78-87-5	1,2-Dichloropropane	ND	2.7	ND	0.59	
75-27-4	Bromodichloromethane	ND	2.7	ND	0.41	
79-01-6	Trichloroethene	ND	2.7	ND	0.50	
123-91-1	1,4-Dioxane	ND	2.7	ND	0.75	
80-62-6	Methyl Methacrylate	ND	5.2	ND	1.3	
142-82-5	n-Heptane	ND	2.7	ND	0.66	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	ND	0.61	
108-10-1	4-Methyl-2-pentanone	ND	5.2	ND	1.3	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	ND	0.59	
79-00-5	1,1,2-Trichloroethane	ND	2.7	ND	0.50	
108-88-3	Toluene	**3.3**	2.7	**0.89**	0.72	
591-78-6	2-Hexanone	ND	5.2	ND	1.3	
124-48-1	Dibromochloromethane	ND	2.7	ND	0.32	
106-93-4	1,2-Dibromoethane	ND	2.7	ND	0.35	
123-86-4	n-Butyl Acetate	ND	5.2	ND	1.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **LC-3** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-002

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00938

Initial Pressure (psig): -4.14 Final Pressure (psig): 7.33

Canister Dilution Factor: 2.09

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	2.7	ND	0.58	
127-18-4	Tetrachloroethene	ND	2.7	ND	0.40	
108-90-7	Chlorobenzene	ND	2.7	ND	0.59	
100-41-4	Ethylbenzene	ND	2.7	ND	0.63	
179601-23-1	m,p-Xylenes	ND	5.2	ND	1.2	
75-25-2	Bromoform	ND	2.8	ND	0.27	
100-42-5	Styrene	**5.6**	2.7	**1.3**	0.64	
95-47-6	o-Xylene	**3.0**	2.8	**0.69**	0.64	
111-84-2	n-Nonane	ND	2.8	ND	0.53	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	ND	0.40	
98-82-8	Cumene	ND	2.7	ND	0.55	
80-56-8	alpha-Pinene	**4.3**	2.8	**0.77**	0.50	
103-65-1	n-Propylbenzene	ND	2.7	ND	0.55	
622-96-8	4-Ethyltoluene	ND	2.8	ND	0.56	
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	ND	0.56	
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	ND	0.55	
100-44-7	Benzyl Chloride	ND	5.5	ND	1.1	
541-73-1	1,3-Dichlorobenzene	ND	2.8	ND	0.46	
106-46-7	1,4-Dichlorobenzene	ND	2.7	ND	0.45	
95-50-1	1,2-Dichlorobenzene	ND	2.8	ND	0.46	
5989-27-5	d-Limonene	**5.2**	2.7	**0.94**	0.49	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	ND	0.54	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	ND	0.70	
91-20-3	Naphthalene	ND	2.7	ND	0.52	
87-68-3	Hexachlorobutadiene	ND	2.7	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **LC-1** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-003

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00859

Initial Pressure (psig): -2.39 Final Pressure (psig): 7.80

Canister Dilution Factor: 1.83

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	2.4	ND	1.4	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	2.4	**0.49**	0.48	
74-87-3	Chloromethane	ND	2.4	ND	1.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	2.4	ND	0.34	
75-01-4	Vinyl Chloride	ND	2.4	ND	0.95	
106-99-0	1,3-Butadiene	ND	2.4	ND	1.1	
74-83-9	Bromomethane	ND	2.4	ND	0.61	
75-00-3	Chloroethane	ND	2.4	ND	0.90	
64-17-5	Ethanol	ND	24	ND	13	
75-05-8	Acetonitrile	ND	2.4	ND	1.4	
107-02-8	Acrolein	ND	5.0	ND	2.2	
67-64-1	Acetone	**34**	24	**14**	10	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	2.3	ND	0.42	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	4.6	ND	1.9	
107-13-1	Acrylonitrile	ND	4.6	ND	2.1	
75-35-4	1,1-Dichloroethene	ND	2.4	ND	0.60	
75-09-2	Methylene Chloride	ND	2.4	ND	0.69	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	2.4	ND	0.76	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	2.4	ND	0.32	
75-15-0	Carbon Disulfide	**5.4**	4.6	**1.7**	1.5	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	ND	0.61	
75-34-3	1,1-Dichloroethane	ND	2.5	ND	0.61	
1634-04-4	Methyl tert-Butyl Ether	ND	2.4	ND	0.66	
108-05-4	Vinyl Acetate	ND	25	ND	7.1	
78-93-3	2-Butanone (MEK)	**5.9**	4.6	**2.0**	1.6	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **LC-1** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-003

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00859

Initial Pressure (psig): -2.39 Final Pressure (psig): 7.80

Canister Dilution Factor: 1.83

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	2.4	ND	0.60	
141-78-6	Ethyl Acetate	**67**	4.6	**18**	1.3	
110-54-3	n-Hexane	ND	2.4	ND	0.68	
67-66-3	Chloroform	ND	2.4	ND	0.50	
109-99-9	Tetrahydrofuran (THF)	ND	4.6	ND	1.6	
107-06-2	1,2-Dichloroethane	ND	2.4	ND	0.59	
71-55-6	1,1,1-Trichloroethane	ND	2.4	ND	0.44	
71-43-2	Benzene	ND	2.4	ND	0.74	
56-23-5	Carbon Tetrachloride	ND	2.3	ND	0.37	
110-82-7	Cyclohexane	ND	4.6	ND	1.3	
78-87-5	1,2-Dichloropropane	ND	2.4	ND	0.51	
75-27-4	Bromodichloromethane	ND	2.4	ND	0.36	
79-01-6	Trichloroethene	ND	2.3	ND	0.43	
123-91-1	1,4-Dioxane	ND	2.4	ND	0.66	
80-62-6	Methyl Methacrylate	ND	4.6	ND	1.1	
142-82-5	n-Heptane	ND	2.4	ND	0.58	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	ND	0.53	
108-10-1	4-Methyl-2-pentanone	ND	4.6	ND	1.1	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	ND	0.51	
79-00-5	1,1,2-Trichloroethane	ND	2.4	ND	0.44	
108-88-3	Toluene	**5.1**	2.4	**1.3**	0.63	
591-78-6	2-Hexanone	ND	4.6	ND	1.1	
124-48-1	Dibromochloromethane	ND	2.4	ND	0.28	
106-93-4	1,2-Dibromoethane	ND	2.4	ND	0.31	
123-86-4	n-Butyl Acetate	ND	4.6	ND	0.96	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **LC-1** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-003

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00859

Initial Pressure (psig): -2.39 Final Pressure (psig): 7.80

Canister Dilution Factor: 1.83

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	2.4	ND	0.51	
127-18-4	Tetrachloroethene	ND	2.4	ND	0.35	
108-90-7	Chlorobenzene	ND	2.4	ND	0.52	
100-41-4	Ethylbenzene	ND	2.4	ND	0.55	
179601-23-1	m,p-Xylenes	ND	4.6	ND	1.1	
75-25-2	Bromoform	ND	2.4	ND	0.23	
100-42-5	Styrene	**2.8**	2.4	**0.66**	0.56	
95-47-6	o-Xylene	**2.7**	2.4	**0.62**	0.56	
111-84-2	n-Nonane	ND	2.4	ND	0.46	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	ND	0.35	
98-82-8	Cumene	ND	2.4	ND	0.48	
80-56-8	alpha-Pinene	**6.1**	2.4	**1.1**	0.44	
103-65-1	n-Propylbenzene	ND	2.4	ND	0.48	
622-96-8	4-Ethyltoluene	ND	2.4	ND	0.49	
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	ND	0.49	
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	ND	0.48	
100-44-7	Benzyl Chloride	ND	4.8	ND	0.93	
541-73-1	1,3-Dichlorobenzene	ND	2.4	ND	0.40	
106-46-7	1,4-Dichlorobenzene	ND	2.4	ND	0.40	
95-50-1	1,2-Dichlorobenzene	ND	2.4	ND	0.40	
5989-27-5	d-Limonene	**5.2**	2.4	**0.93**	0.43	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.6	ND	0.47	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	ND	0.62	
91-20-3	Naphthalene	ND	2.4	ND	0.45	
87-68-3	Hexachlorobutadiene	ND	2.4	ND	0.22	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **GV-6** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-004

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00170

Initial Pressure (psig): -3.10 Final Pressure (psig): 8.22

Canister Dilution Factor: 1.98

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	**350**	2.6	**200**	1.5	
75-71-8	Dichlorodifluoromethane (CFC 12)	**240**	2.6	**49**	0.52	
74-87-3	Chloromethane	ND	2.6	ND	1.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**250**	2.6	**36**	0.37	
75-01-4	Vinyl Chloride	**3.9**	2.6	**1.5**	1.0	
106-99-0	1,3-Butadiene	ND	2.6	ND	1.2	
74-83-9	Bromomethane	ND	2.6	ND	0.66	
75-00-3	Chloroethane	**41**	2.6	**15**	0.98	
64-17-5	Ethanol	**32**	26	**17**	14	
75-05-8	Acetonitrile	ND	2.6	ND	1.6	
107-02-8	Acrolein	ND	5.4	ND	2.4	
67-64-1	Acetone	**950**	26	**400**	11	
75-69-4	Trichlorofluoromethane (CFC 11)	**14**	2.5	**2.5**	0.45	
67-63-0	2-Propanol (Isopropyl Alcohol)	**210**	5.0	**86**	2.0	
107-13-1	Acrylonitrile	ND	5.0	ND	2.3	
75-35-4	1,1-Dichloroethene	ND	2.6	ND	0.65	
75-09-2	Methylene Chloride	ND	2.6	ND	0.74	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	2.6	ND	0.82	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	2.6	ND	0.34	
75-15-0	Carbon Disulfide	**7.0**	5.0	**2.2**	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	2.6	ND	0.66	
75-34-3	1,1-Dichloroethane	**13**	2.7	**3.1**	0.66	
1634-04-4	Methyl tert-Butyl Ether	ND	2.6	ND	0.71	
108-05-4	Vinyl Acetate	ND	27	ND	7.7	
78-93-3	2-Butanone (MEK)	**60**	5.0	**20**	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **GV-6** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-004

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00170

Initial Pressure (psig): -3.10 Final Pressure (psig): 8.22

Canister Dilution Factor: 1.98

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	2.6	ND	0.65	
141-78-6	Ethyl Acetate	ND	5.0	ND	1.4	
110-54-3	n-Hexane	**320**	2.6	**90**	0.73	
67-66-3	Chloroform	ND	2.6	ND	0.54	
109-99-9	Tetrahydrofuran (THF)	**7.6**	5.0	**2.6**	1.7	
107-06-2	1,2-Dichloroethane	ND	2.6	ND	0.64	
71-55-6	1,1,1-Trichloroethane	**2.9**	2.6	**0.53**	0.47	
71-43-2	Benzene	**21**	2.6	**6.7**	0.81	
56-23-5	Carbon Tetrachloride	ND	2.5	ND	0.40	
110-82-7	Cyclohexane	**120**	5.0	**36**	1.4	
78-87-5	1,2-Dichloropropane	ND	2.6	ND	0.56	
75-27-4	Bromodichloromethane	ND	2.6	ND	0.38	
79-01-6	Trichloroethene	**3.4**	2.5	**0.64**	0.47	
123-91-1	1,4-Dioxane	ND	2.6	ND	0.71	
80-62-6	Methyl Methacrylate	ND	5.0	ND	1.2	
142-82-5	n-Heptane	**170**	2.6	**40**	0.63	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	ND	0.58	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ND	1.2	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	ND	0.56	
79-00-5	1,1,2-Trichloroethane	ND	2.6	ND	0.47	
108-88-3	Toluene	**18**	2.6	**4.7**	0.68	
591-78-6	2-Hexanone	ND	5.0	ND	1.2	
124-48-1	Dibromochloromethane	ND	2.6	ND	0.30	
106-93-4	1,2-Dibromoethane	ND	2.6	ND	0.34	
123-86-4	n-Butyl Acetate	ND	5.0	ND	1.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **GV-6** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-004

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00170

Initial Pressure (psig): -3.10 Final Pressure (psig): 8.22

Canister Dilution Factor: 1.98

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	**77**	2.6	**17**	0.55	
127-18-4	Tetrachloroethene	**3.7**	2.6	**0.54**	0.38	
108-90-7	Chlorobenzene	**41**	2.6	**8.9**	0.56	
100-41-4	Ethylbenzene	**68**	2.6	**16**	0.59	
179601-23-1	m,p-Xylenes	**130**	5.0	**30**	1.1	
75-25-2	Bromoform	ND	2.6	ND	0.25	
100-42-5	Styrene	**2.9**	2.6	**0.68**	0.60	
95-47-6	o-Xylene	**18**	2.6	**4.2**	0.60	
111-84-2	n-Nonane	**79**	2.6	**15**	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	ND	0.38	
98-82-8	Cumene	**9.5**	2.6	**1.9**	0.52	
80-56-8	alpha-Pinene	**20**	2.6	**3.6**	0.47	
103-65-1	n-Propylbenzene	ND	2.6	ND	0.52	
622-96-8	4-Ethyltoluene	**3.7**	2.6	**0.75**	0.53	
108-67-8	1,3,5-Trimethylbenzene	**7.6**	2.6	**1.6**	0.53	
95-63-6	1,2,4-Trimethylbenzene	**6.0**	2.6	**1.2**	0.52	
100-44-7	Benzyl Chloride	ND	5.2	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	2.6	ND	0.44	
106-46-7	1,4-Dichlorobenzene	**3.6**	2.6	**0.59**	0.43	
95-50-1	1,2-Dichlorobenzene	ND	2.6	ND	0.44	
5989-27-5	d-Limonene	ND	2.6	ND	0.46	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ND	0.51	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ND	0.67	
91-20-3	Naphthalene	ND	2.6	ND	0.49	
87-68-3	Hexachlorobutadiene	ND	2.6	ND	0.24	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **LC-2** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-005

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00786

Initial Pressure (psig): -4.77 Final Pressure (psig): 7.13

Canister Dilution Factor: 2.20

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	**3.1**	2.9	**1.8**	1.7	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	2.9	ND	0.58	
74-87-3	Chloromethane	ND	2.9	ND	1.4	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	2.9	ND	0.41	
75-01-4	Vinyl Chloride	ND	2.9	ND	1.1	
106-99-0	1,3-Butadiene	ND	2.9	ND	1.3	
74-83-9	Bromomethane	ND	2.9	ND	0.74	
75-00-3	Chloroethane	ND	2.9	ND	1.1	
64-17-5	Ethanol	ND	29	ND	15	
75-05-8	Acetonitrile	ND	2.9	ND	1.7	
107-02-8	Acrolein	ND	6.1	ND	2.6	
67-64-1	Acetone	**43**	29	**18**	12	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	2.8	ND	0.50	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.5	ND	2.2	
107-13-1	Acrylonitrile	ND	5.5	ND	2.5	
75-35-4	1,1-Dichloroethene	ND	2.9	ND	0.72	
75-09-2	Methylene Chloride	ND	2.9	ND	0.82	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	2.9	ND	0.91	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	2.9	ND	0.38	
75-15-0	Carbon Disulfide	ND	5.5	ND	1.8	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	ND	0.74	
75-34-3	1,1-Dichloroethane	ND	3.0	ND	0.73	
1634-04-4	Methyl tert-Butyl Ether	ND	2.9	ND	0.79	
108-05-4	Vinyl Acetate	ND	30	ND	8.6	
78-93-3	2-Butanone (MEK)	**6.5**	5.5	**2.2**	1.9	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **LC-2** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-005

Test Code: EPA TO-15 Date Collected: 6/17/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00786

Initial Pressure (psig): -4.77 Final Pressure (psig): 7.13

Canister Dilution Factor: 2.20

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	2.9	ND	0.72	
141-78-6	Ethyl Acetate	**19**	5.5	**5.3**	1.5	
110-54-3	n-Hexane	ND	2.9	ND	0.81	
67-66-3	Chloroform	ND	2.9	ND	0.60	
109-99-9	Tetrahydrofuran (THF)	ND	5.5	ND	1.9	
107-06-2	1,2-Dichloroethane	ND	2.9	ND	0.71	
71-55-6	1,1,1-Trichloroethane	ND	2.9	ND	0.52	
71-43-2	Benzene	ND	2.9	ND	0.90	
56-23-5	Carbon Tetrachloride	ND	2.8	ND	0.45	
110-82-7	Cyclohexane	ND	5.5	ND	1.6	
78-87-5	1,2-Dichloropropane	ND	2.9	ND	0.62	
75-27-4	Bromodichloromethane	ND	2.9	ND	0.43	
79-01-6	Trichloroethene	ND	2.8	ND	0.52	
123-91-1	1,4-Dioxane	ND	2.9	ND	0.79	
80-62-6	Methyl Methacrylate	ND	5.5	ND	1.3	
142-82-5	n-Heptane	ND	2.9	ND	0.70	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	ND	0.64	
108-10-1	4-Methyl-2-pentanone	ND	5.5	ND	1.3	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	ND	0.62	
79-00-5	1,1,2-Trichloroethane	ND	2.9	ND	0.52	
108-88-3	Toluene	**4.7**	2.9	**1.2**	0.76	
591-78-6	2-Hexanone	ND	5.5	ND	1.3	
124-48-1	Dibromochloromethane	ND	2.9	ND	0.34	
106-93-4	1,2-Dibromoethane	ND	2.9	ND	0.37	
123-86-4	n-Butyl Acetate	ND	5.5	ND	1.2	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**

Client Sample ID: **LC-2** ALS Project ID: P2103333

Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P2103333-005

Test Code: EPA TO-15 Date Collected: 6/17/21

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 6/21/21

Analyst: Wida Ang Date Analyzed: 7/12/21

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)

Test Notes:

Container ID: 1SS00786

Initial Pressure (psig): -4.77 Final Pressure (psig): 7.13

Canister Dilution Factor: 2.20

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	2.9	ND	0.61	
127-18-4	Tetrachloroethene	ND	2.9	ND	0.42	
108-90-7	Chlorobenzene	ND	2.9	ND	0.62	
100-41-4	Ethylbenzene	ND	2.9	ND	0.66	
179601-23-1	m,p-Xylenes	**10**	5.5	**2.4**	1.3	
75-25-2	Bromoform	ND	2.9	ND	0.28	
100-42-5	Styrene	**3.8**	2.9	**0.90**	0.67	
95-47-6	o-Xylene	**5.3**	2.9	**1.2**	0.67	
111-84-2	n-Nonane	**3.5**	2.9	**0.67**	0.56	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	ND	0.42	
98-82-8	Cumene	ND	2.9	ND	0.58	
80-56-8	alpha-Pinene	**7.6**	2.9	**1.4**	0.52	
103-65-1	n-Propylbenzene	ND	2.9	ND	0.58	
622-96-8	4-Ethyltoluene	ND	2.9	ND	0.59	
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	ND	0.59	
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	ND	0.58	
100-44-7	Benzyl Chloride	ND	5.8	ND	1.1	
541-73-1	1,3-Dichlorobenzene	ND	2.9	ND	0.49	
106-46-7	1,4-Dichlorobenzene	ND	2.9	ND	0.48	
95-50-1	1,2-Dichlorobenzene	ND	2.9	ND	0.49	
5989-27-5	d-Limonene	**6.2**	2.9	**1.1**	0.51	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	ND	0.57	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	ND	0.74	
91-20-3	Naphthalene	ND	2.9	ND	0.55	
87-68-3	Hexachlorobutadiene	ND	2.9	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**

Client Sample ID: **Method Blank**

Client Project ID: **FF/NN Landfill Ripon / 421748**

ALS Project ID: P2103333

ALS Sample ID: P210712-MB

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Wida Ang

Sample Type: 1.0 L Silonite Summa Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 7/12/21

Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.52	ND	0.30	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.52	ND	0.11	
74-87-3	Chloromethane	ND	0.52	ND	0.25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.52	ND	0.074	
75-01-4	Vinyl Chloride	ND	0.53	ND	0.21	
106-99-0	1,3-Butadiene	ND	0.52	ND	0.24	
74-83-9	Bromomethane	ND	0.52	ND	0.13	
75-00-3	Chloroethane	ND	0.52	ND	0.20	
64-17-5	Ethanol	ND	5.3	ND	2.8	
75-05-8	Acetonitrile	ND	0.53	ND	0.32	
107-02-8	Acrolein	ND	1.1	ND	0.48	
67-64-1	Acetone	ND	5.2	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.51	ND	0.091	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
107-13-1	Acrylonitrile	ND	1.0	ND	0.46	
75-35-4	1,1-Dichloroethene	ND	0.52	ND	0.13	
75-09-2	Methylene Chloride	ND	0.52	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.52	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.53	ND	0.069	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	0.53	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.54	ND	0.13	
1634-04-4	Methyl tert-Butyl Ether	ND	0.52	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.5	ND	1.6	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**

Client Sample ID: **Method Blank** ALS Project ID: P2103333

Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P210712-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA

Analyst: Wida Ang Date Analyzed: 7/12/21

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.52	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.52	ND	0.15	
67-66-3	Chloroform	ND	0.53	ND	0.11	
109-99-9	Tetrahydrofuran (THF)	ND	1.0	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	0.52	ND	0.13	
71-55-6	1,1,1-Trichloroethane	ND	0.52	ND	0.095	
71-43-2	Benzene	ND	0.52	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.51	ND	0.081	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.52	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.52	ND	0.078	
79-01-6	Trichloroethene	ND	0.51	ND	0.095	
123-91-1	1,4-Dioxane	ND	0.52	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.52	ND	0.13	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.52	ND	0.095	
108-88-3	Toluene	ND	0.52	ND	0.14	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	0.52	ND	0.061	
106-93-4	1,2-Dibromoethane	ND	0.52	ND	0.068	
123-86-4	n-Butyl Acetate	ND	1.0	ND	0.21	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**

Client Sample ID: **Method Blank** ALS Project ID: P2103333

Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P210712-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA

Analyst: Wida Ang Date Analyzed: 7/12/21

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.52	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.52	ND	0.077	
108-90-7	Chlorobenzene	ND	0.52	ND	0.11	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.53	ND	0.051	
100-42-5	Styrene	ND	0.52	ND	0.12	
95-47-6	o-Xylene	ND	0.53	ND	0.12	
111-84-2	n-Nonane	ND	0.53	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	ND	0.077	
98-82-8	Cumene	ND	0.52	ND	0.11	
80-56-8	alpha-Pinene	ND	0.53	ND	0.095	
103-65-1	n-Propylbenzene	ND	0.52	ND	0.11	
622-96-8	4-Ethyltoluene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.52	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	0.53	ND	0.088	
106-46-7	1,4-Dichlorobenzene	ND	0.52	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.53	ND	0.088	
5989-27-5	d-Limonene	ND	0.52	ND	0.093	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ND	0.13	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.52	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **CT Laboratories**
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Project ID: P2103333

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date(s) Collected: 6/17/21
Analyst: Wida Ang Date(s) Received: 6/21/21
Sample Type: 1.0 L Silonite Summa Canister(s) / 1.0 L Summa Canister(s) Date(s) Analyzed: 7/12/21
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P210712-MB	**104**	**91**	**94**	70-130	
Lab Control Sample	P210712-LCS	**105**	**91**	**96**	70-130	
GP-3	P2103333-001	**108**	**91**	**94**	70-130	
LC-3	P2103333-002	**103**	**93**	**95**	70-130	
LC-1	P2103333-003	**101**	**95**	**95**	70-130	
GV-6	P2103333-004	**99**	**87**	**90**	70-130	
LC-2	P2103333-005	**101**	**95**	**96**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **CT Laboratories**
Client Sample ID: **Lab Control Sample**
Client Project ID: **FF/NN Landfill Ripon / 421748**

ALS Project ID: P2103333
ALS Sample ID: P210712-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 1.0 L Silonite Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 7/12/21
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**199**	**95**	56-128	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**224**	**107**	71-112	
74-87-3	Chloromethane	206	**180**	**87**	53-126	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	216	**219**	**101**	62-121	
75-01-4	Vinyl Chloride	208	**180**	**87**	63-123	
106-99-0	1,3-Butadiene	210	**186**	**89**	63-135	
74-83-9	Bromomethane	212	**200**	**94**	71-112	
75-00-3	Chloroethane	204	**176**	**86**	66-117	
64-17-5	Ethanol	998	**861**	**86**	57-117	
75-05-8	Acetonitrile	202	**204**	**101**	59-131	
107-02-8	Acrolein	436	**346**	**79**	71-123	
67-64-1	Acetone	1,030	**817**	**79**	60-117	
75-69-4	Trichlorofluoromethane (CFC 11)	204	**233**	**114**	71-114	
67-63-0	2-Propanol (Isopropyl Alcohol)	408	**390**	**96**	61-124	
107-13-1	Acrylonitrile	410	**381**	**93**	65-130	
75-35-4	1,1-Dichloroethene	212	**202**	**95**	74-114	
75-09-2	Methylene Chloride	208	**201**	**97**	75-112	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	210	**224**	**107**	57-127	
76-13-1	Trichlorotrifluoroethane (CFC 113)	214	**222**	**104**	73-114	
75-15-0	Carbon Disulfide	428	**424**	**99**	70-113	
156-60-5	trans-1,2-Dichloroethene	212	**209**	**99**	76-119	
75-34-3	1,1-Dichloroethane	212	**193**	**91**	70-114	
1634-04-4	Methyl tert-Butyl Ether	212	**147**	**69**	72-118	**L**
108-05-4	Vinyl Acetate	1,100	**896**	**81**	56-137	
78-93-3	2-Butanone (MEK)	412	**436**	**106**	74-121	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
L = Laboratory control sample recovery outside the specified limits, results may be biased low.

Client: **CT Laboratories**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P210712-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	208	**198**	**95**	73-117	
141-78-6	Ethyl Acetate	422	**525**	**124**	59-161	
110-54-3	n-Hexane	212	**181**	**85**	55-130	
67-66-3	Chloroform	214	**223**	**104**	71-114	
109-99-9	Tetrahydrofuran (THF)	400	**383**	**96**	73-114	
107-06-2	1,2-Dichloroethane	208	**227**	**109**	71-119	
71-55-6	1,1,1-Trichloroethane	206	**220**	**107**	73-119	
71-43-2	Benzene	204	**191**	**94**	72-113	
56-23-5	Carbon Tetrachloride	210	**236**	**112**	67-123	
110-82-7	Cyclohexane	416	**400**	**96**	70-119	
78-87-5	1,2-Dichloropropane	206	**177**	**86**	70-118	
75-27-4	Bromodichloromethane	210	**225**	**107**	74-119	
79-01-6	Trichloroethene	206	**212**	**103**	74-115	
123-91-1	1,4-Dioxane	208	**215**	**103**	77-124	
80-62-6	Methyl Methacrylate	416	**482**	**116**	78-126	
142-82-5	n-Heptane	210	**202**	**96**	70-119	
10061-01-5	cis-1,3-Dichloropropene	210	**235**	**112**	81-126	
108-10-1	4-Methyl-2-pentanone	416	**383**	**92**	73-129	
10061-02-6	trans-1,3-Dichloropropene	202	**253**	**125**	80-127	
79-00-5	1,1,2-Trichloroethane	206	**207**	**100**	78-117	
108-88-3	Toluene	206	**192**	**93**	70-118	
591-78-6	2-Hexanone	404	**449**	**111**	74-132	
124-48-1	Dibromochloromethane	210	**235**	**112**	69-137	
106-93-4	1,2-Dibromoethane	208	**222**	**107**	76-128	
123-86-4	n-Butyl Acetate	406	**439**	**108**	75-134	

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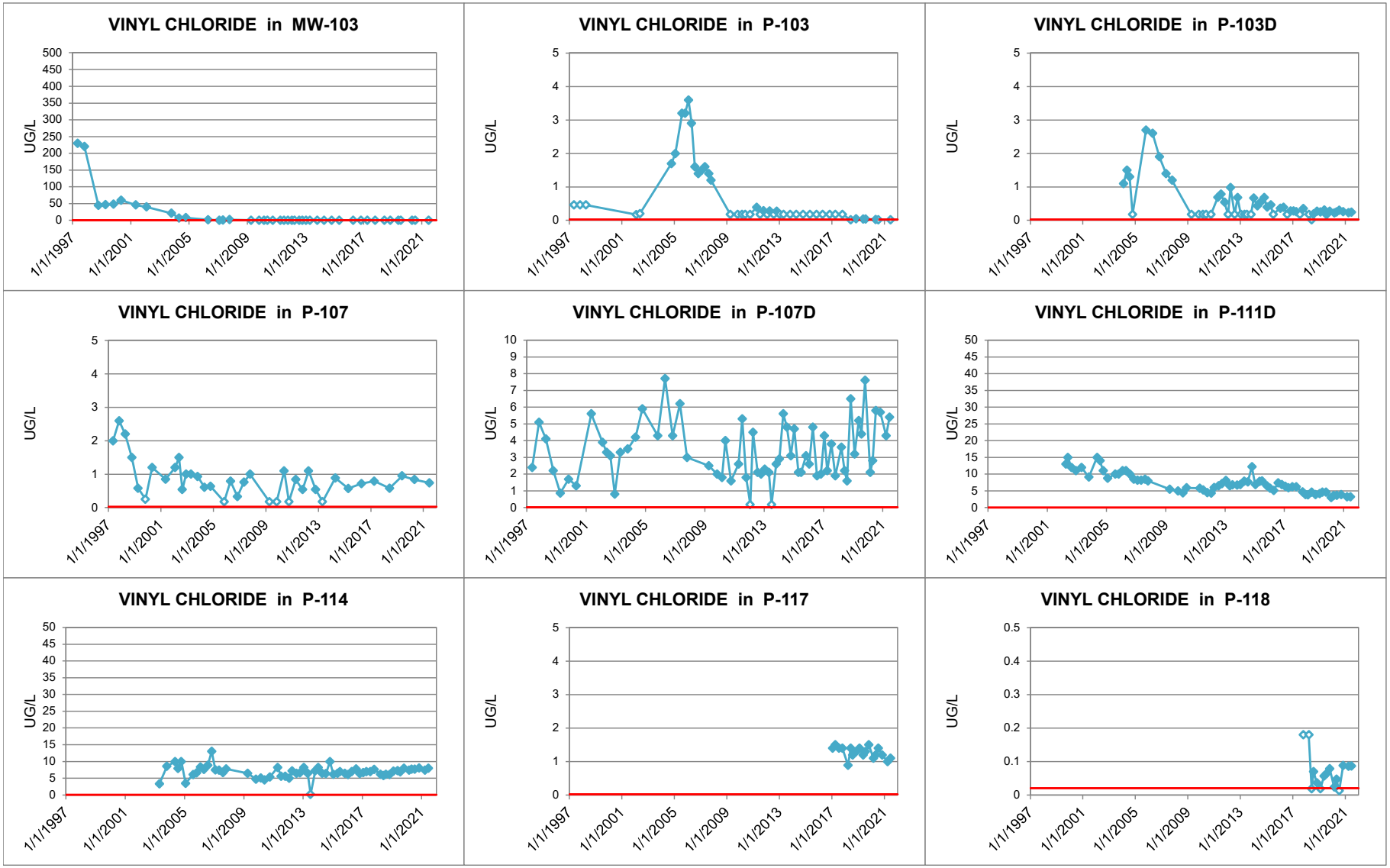
Client: **CT Laboratories**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2103333
Client Project ID: **FF/NN Landfill Ripon / 421748** ALS Sample ID: P210712-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA
Analyst: Wida Ang Date Analyzed: 7/12/21
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	210	**180**	**86**	68-120	
127-18-4	Tetrachloroethene	206	**190**	**92**	63-130	
108-90-7	Chlorobenzene	206	**209**	**101**	70-118	
100-41-4	Ethylbenzene	206	**204**	**99**	71-123	
179601-23-1	m,p-Xylenes	412	**405**	**98**	67-127	
75-25-2	Bromoform	208	**232**	**112**	65-149	
100-42-5	Styrene	206	**226**	**110**	76-132	
95-47-6	o-Xylene	206	**209**	**101**	69-124	
111-84-2	n-Nonane	208	**203**	**98**	64-127	
79-34-5	1,1,2,2-Tetrachloroethane	206	**203**	**99**	69-128	
98-82-8	Cumene	208	**215**	**103**	69-125	
80-56-8	alpha-Pinene	214	**223**	**104**	68-129	
103-65-1	n-Propylbenzene	208	**210**	**101**	70-127	
622-96-8	4-Ethyltoluene	210	**223**	**106**	69-127	
108-67-8	1,3,5-Trimethylbenzene	206	**221**	**107**	66-129	
95-63-6	1,2,4-Trimethylbenzene	204	**222**	**109**	63-142	
100-44-7	Benzyl Chloride	402	**501**	**125**	73-145	
541-73-1	1,3-Dichlorobenzene	206	**221**	**107**	67-136	
106-46-7	1,4-Dichlorobenzene	204	**214**	**105**	63-134	
95-50-1	1,2-Dichlorobenzene	206	**223**	**108**	64-139	
5989-27-5	d-Limonene	208	**204**	**98**	63-137	
96-12-8	1,2-Dibromo-3-chloropropane	370	**448**	**121**	72-145	
120-82-1	1,2,4-Trichlorobenzene	388	**442**	**114**	62-154	
91-20-3	Naphthalene	198	**249**	**126**	62-156	
87-68-3	Hexachlorobutadiene	210	**193**	**92**	55-142	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Appendix D: Concentration-Time Graphs for Datasets Included in Trend Analysis



Notes:

The red line represents the NR 140 PAL.

Nondetect results are represented with hollow symbols plotted at the detection limit.