Phase II Environmental Site Assessment Report

Former Knitting Mill Property
1650 Pierce Avenue
Marinette, Wisconsin
Parcel ID #251-02252.002

Brownfields Hazardous Substance Assessment
Bay-Lake Regional Planning Commission
Green Bay, Wisconsin

Prepared for:

Bay-Lake Regional Planning Commission
425 South Adams Street
Green Bay, WI 54301

December 2019

HireSmart®

Phase II Environmental Site Assessment Report

Former Knitting Mill Property
1650 Pierce Avenue
Marinette, Wisconsin
Parcel ID #251-02252.002

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Executive Summary

Bay-Lake Regional Planning Commission retained Ayres Associates to perform a Phase II Environmental Site Assessment (ESA) at the former Knitting Mill property located at 1650 Pierce Avenue, Marinette, Wisconsin. The assessment was completed as part of the U.S. EPA Brownfield Assessment Grant awarded to the Bay-Lake Regional Planning Commission. The objective of this assessment was to determine if potential environmental impacts that were identified in the Phase I ESA prepared by Ayres Associates in August 2019 exist and their possible effect on the property's redevelopment.

Subsurface information was collected from the advancement of eight soil probes and the installation of four temporary 1-inch diameter monitoring wells on September 30, 2019. The data collected indicates that up to seven feet of soil-fill covers the site. Portions of the fill contained concrete and wood remnants of the former knitting mill building. Native deposits beneath the fill were comprised of unconsolidated sand and silty sand to the depth of exploration, which was 15 feet below ground surface (bgs). Water levels collected on October 1, 2019, indicate that the depth to water is approximately five feet bgs across the site.

The soil assessment found concentrations of heavy metals and volatile organic compounds (VOCs). Arsenic, barium, cadmium, lead, silver, and benzene were detected in one or more soil samples at concentrations that exceeded the groundwater pathway residual contaminant level (RCL). Arsenic concentrations were all below the background threshold value. The concentration of barium and lead detected in soil sampled between 3 and 4 feet bgs in KM-MW1 also exceeded the non-industrial direct contact RCL.

Laboratory analysis of groundwater samples detected trace concentrations of heavy metals and VOCs at levels below the NR 140 enforcement standards. Preventative action limit (PALs) for metals were exceeded for arsenic and lead in the four wells, and cadmium at one well. For VOCs, PALs were exceeded at two wells.

Acknowledgment

On behalf of the Bay-Lake Regional Planning Commission, Ayres Associates would like to extend its sincere appreciation to the U.S. Environmental Protection Agency (USEPA) for their funding support and to the Wisconsin Department of Natural Resources (WDNR) for their technical assistance. The USEPA Brownfield Site Assessment Grant Program not only graciously awarded Bay-Lake Regional Planning Commission this grant to assist in funding the environmental activities outlined in this report but has continued to support Bay-Lake Regional Planning Commission efforts for the redevelopment of sites within the Commission's eight-county region. We are indebted to the USEPA for making financial assistance available for this important redevelopment project.

Introduction

On behalf of Bay-Lake Regional Planning Commission, Ayres Associates performed a Phase II Environmental Site Assessment (ESA) of the former Knitting Mill property located at 1650 Pierce Avenue, Marinette, Wisconsin (see Figure 1). The goal of this assessment was to determine if recognized environmental conditions identified in a Phase I ESA for the property affected soil and groundwater beneath the property. Ayres Associates developed a scope of work that included soil and groundwater sampling, analytical testing, and an evaluation of the results. The sampling locations were selected using professional judgment and Phase I ESA findings. This work was funded by a U.S. Environmental Protection Agency (USEPA) brownfield grant that was awarded to the Bay-Lake Regional Planning Commission for the redevelopment of potentially contaminated properties in its eight-county region.

Phase II ESA sampling activities were completed between September 30 and October 1, 2019. The objectives of the assessment were to:

- Characterize the hydrogeologic and environmental conditions at the site
- Characterize the nature of potential impacts to soil and groundwater at the site
- Evaluate the threat, if any, to human health and the environment
- Evaluate the need to implement remedial action at the site with regard to site redevelopment

Environmental assessment and remediation planning activities related to site development are the subjects of this report.

Background

Site Location and Description

The subject property is located at 1650 Pierce Avenue, Marinette, Wisconsin, and is identified by Marinette County Parcel ID # 251-02252.002 (see Figures 1 and 2). The property is approximately one acre of vacant land. The building that formerly occupied the property was razed by fire in 2018.

Site History and Background

The history and background information of the former Knitting Mill property was compiled from a 2019 Phase I ESA completed by Ayres Associates. The findings of the Phase I ESA indicated the site was occupied by a building that operated as knitting mill from at least 1910 until the 1970s. It later became a wholesale warehouse during the 1980s and 1990s. Sanborn fire insurance maps from 1948 and 1956 indicated that operations at the former knitting mill included dry-cleaning. The property was used for general storage for the past 25 years until the old knitting mill building was demolished by the fire department during a controlled training-burn.

Wisconsin Department of Natural Resources (WDNR) records indicate that adhesives, resins, and paints were improperly stored in the building during the 1990s. The material was subsequently removed and disposed of off-site. During the fire in 2018, water ponding on the site from fire suppression activities was observed to have a green tint. The water was vacuumed into trucks and disposed. No further action was required by the WDNR after the cleanup of this water.

Additionally, fire insurance maps indicated that the adjoining site to the south was formerly used to manufacture threshers, engines, potato machinery, pianos, piano benches, and Victrola's from at least 1901 until approximately the 1930s.

Recognized Environmental Conditions

Recognized environmental conditions at the former knitting mill property include dry cleaning operations and storage activities conducted on the property and manufacturing activities conduced on property located south across Daggett Street. Potential environmental impacts include volatile organic compounds (VOCs) and heavy metals to soil and groundwater.

Regional Geology and Hydrogeology

Geology

This preliminary evaluation of the site geology was based on existing published regional information. The subject property is located at an elevation of approximately 595 ft msl, according to elevation contours shown on the Marinette County GIS website. The surface of the property is generally level.

The property is located in an area of glaciolacustrine deposits consisting of primarily fine to coarse-grained sand. These deposits are expected to be over 80 feet thick and are underlain by Ordovician dolomite.

Hydrogeology

Shallow groundwater in the area was anticipated to be less than ten feet from the ground surface within the unconsolidated sediments and flow north-northeast across the site toward the Menominee River and Green Bay. Recharge to the aquifer system occurs through direct infiltration of precipitation and snowmelt. Discharge from the aquifer system occurs by evapotranspiration and discharge to the Menominee River and Green Bay.

Site Geology and Hydrogeology

Stratigraphy

Subsurface conditions were evaluated based on information collected from eight direct-push probes (KM-GP1 through KM-GP4 and KM-MW-1, KM-MW-2, KM-MW-3, and KM-MW5) advanced during this assessment on September 30, 2019. Temporary monitoring well KM-MW4 was not installed because of site constraints, and subsurface obstructions encountered less than five feet bgs on the south side of the property. Soil probes used solely for soil sampling purposes were advanced to ten feet bgs. Soil probes used for temporary monitoring wells were pushed to depths between 12 and 15 feet bgs. Locations of the probes and monitoring wells are shown in Figure 2. Geologic boring and well construction logs are in Appendix A and include borehole filling reports (Form 3300-005) for each probe and temporary well location.

Subsurface information collected during this assessment indicates that the site is underlain by glaciolacustrine deposits of unconsolidated sand and silty sand to the total depth explored of 15 feet. These deposits are covered in some areas by up to seven feet of sandy fill with some areas of fill containing debris. Bedrock was not encountered.

Groundwater Flow Conditions

Groundwater Levels

Groundwater elevations were calculated using water levels from four monitoring wells on October 1, 2019. Top of casing well elevations were surveyed using a level loop to the nearest hundredth of a foot. The depth to water was measured to be between 2 and 6 feet bgs. The water levels are summarized in Table 1.

Table 1
Summary of Groundwater Elevation Data

Temporary Well ID	TOC Elevation	Depth to Groundwater BTOC	Groundwater Elevation
KM-MW1	598.49	7.99	590.50
KM-MW2	597.19	6.63	590.56
KM-MW3	599.36	8.78	590.58
KM-MW5	598.62	8.08	590.54

Notes: TOC = top of casing. BTOC = below top of casing. Elevations are in feet above mean sea level (msl).

Groundwater Flow

Water level measurements obtained from monitoring wells on October 1, 2019, were used to construct a water table contour map and to estimate the direction of groundwater flow (Figure 3). Based upon the data collected from the monitoring wells, the apparent groundwater flow direction is generally to the north-northeast. The hydraulic gradient calculated for the water table surface was 0.001. The low hydraulic gradient at the water table is reflective of the high conductivity of the sandy deposits.

Soil Quality Assessment

On September 30, 2019, Ayres Associates collected soil samples from eight direct push soil probes for analytical testing. Probes were advanced to a maximum depth of 15 ft bgs. Ayres Associates collected continuous samples and described them using the Unified Soils Classification System (USCS). All soil samples were screened with a photoionization detector (PID). The samples were collected and screened using the methods described in the site-specific sampling and analysis plan (SAP).

Field Screening and Observation Results

Soil samples were screened for volatile organic vapors using a PID equipped with a 10.6 eV lamp. The PID was calibrated to 100 parts per million (ppm) isobutylene gas. One soil sample collected in the vadose zone from each boring was selected for analytical testing using the following priority: highest PID response, visual or olfactory signs of contamination, depth expected of contamination, or upper 4 feet of soil. None of the soil samples collected in the vadose zone exhibited elevated PID readings. The soil classifications and PID responses were recorded on the boring logs in Appendix A.

Results of Soil Sample Laboratory Analysis

Ayres Associates submitted soil samples from the vadose zone at each sampling location to CT Laboratories in Baraboo, Wisconsin, for analytical testing. These samples were analyzed for volatile organic compounds and Resource Conservation and Recovery Act (RCRA) list metals. Volatile organic compounds were analyzed using EPA SW-846 Method 8260C. Metals were analyzed using Methods 6010C and 7471B.

Analytical results were compared to the Wisconsin Department of Natural Resources (WDNR) soil residual contaminant levels (RCL). Table 2 provides a summary of compounds found in the soil above the laboratory limit of detection. A full copy of the laboratory analytical results is available in Appendix B.

Inorganic Analysis (RCRA Metals)

Naturally occurring metals (arsenic, barium, cadmium, chromium, lead, mercury, and silver) were detected in one or more of the soil samples. Arsenic, barium, cadmium, lead, and silver were detected above the groundwater pathway RCL in soil sampled from KM-MW1. The concentrations of barium and lead in this sample also exceeded the direct contact RCL for non-industrial use but was below the direct contact RCL for industrial. The groundwater pathway RCL for arsenic was also exceeded in soil sampled from KM-GP-1, KM-GP3, KM-GP4, KM-MW3, and KM-MW5, but results were below naturally occurring range for Wisconsin soils' background threshold value, which should supersede all other RCLs. Lead was also detected above the groundwater pathway RCL in soil sampled from KM-MW-3 and KM-MW5.

Volatile Organic Compound Analysis (VOC)

Trace concentrations of VOCs were detected in soil sampled from KM-MW1 and KM-MW3. Only benzene in soil sampled from KM-MW1 was detected above the groundwater pathway RCL. Volatile organic compound analysis was not conducted on soil sampled from KM-MW5 because a sufficient

quantity of containers was not provided for this analysis by the laboratory. None of the other five soil samples submitted for laboratory analysis contained detectable concentrations of VOCs.

Groundwater Quality Assessment

Ayres Associates collected one round of groundwater samples from four temporary monitoring wells installed during this assessment on October 1, 2019. Samples were acquired using low-flow purging techniques and disposable sampling equipment, as described in the SAP. The analytical results were used to characterize the type, extent, and distribution, and concentration of chemical constituents present in groundwater. Following sampling activities, the four temporary monitoring wells were abandoned.

Groundwater samples were submitted to CT Laboratories in Baraboo, Wisconsin, for analysis of VOCs and dissolved RCRA metals. Volatile organic compounds were analyzed using EPA SW-846 Method 8260C. Metals were analyzed using Methods 6010C and 7470A. Analytical results were compared to standards contained in Wisconsin Administrative Code NR 140. A summary of analyte detections in groundwater samples is presented in Table 3. Laboratory data reports for groundwater samples are in Appendix B.

Inorganic Analysis (RCRA Metals)

Trace concentrations of arsenic, barium, and lead were detected in all four groundwater samples. Arsenic was detected in all four groundwater samples submitted for analysis at levels above the NR 140 preventative action limit. Lead was detected above the NR 140 PAL in groundwater sampled from KM-MW1, KM-MW2, and KM-MW3. However, based on data from the Marinette and northeast Wisconsin from the University of Wisconsin-Stevens Point Center for Watershed Science and Education, Well Water Quality Viewer, the PAL exceedances for lead and arsenic is indicative of background levels for the area. Groundwater sampled from KM-MW5 also contained cadmium at a concentration above the PAL.

Volatile Organic Compound Analysis (VOC)

Trace concentrations of several VOCs were detected in groundwater samples submitted for laboratory analysis. Benzene detected in groundwater sampled from KM-MW1, KM-MW3, and KM-MW5 was the only compound detected above the PAL. Acetone and methylene chloride detections are considered laboratory contaminants as they were also detected in the methanol blank.

Quality Assurance and Quality Control

Quality control samples including duplicates, methanol field blank (trip blank), and matrix spike/matrix spike duplicate (MS/MSD) samples were submitted to the lab as described in the Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP) previously approved by the U.S. EPA review. Accuracy was assessed using methanol field blank, MS/MSD, and laboratory control samples (LCS). Precision was determined by the relative percent difference (RPD) between samples and field duplicates. Analytical results for quality control samples are contained in Appendix B.

Summary of Findings

Geology and Hydrogeology

- Subsurface information collected during this assessment indicates that unconsolidated sediments at the site consist of sand and silty sand to at least 15 feet bgs. These deposits are covered by up to seven feet of sandy fill containing variable amounts of debris.

- Bedrock was not encountered during this assessment and is anticipated to be over 80 feet bgs.

- Depth to groundwater is approximately 5 feet bgs.

- Groundwater flow is generally north-northeast at an estimated hydraulic gradient of 0.001.

Soil Assessment

Inorganic Analysis (RCRA Metals)

- One soil sample (KM-MW-1 3-4') contained barium and lead at concentrations above the non-industrial direct contact RCL (but below industrial), and five samples were noted above the RCL but within background levels. These samples also contained RCRA metals contamination greater than the groundwater pathway RCL. However, metals concentrations in groundwater were all detected below the enforcement standard.

Volatile Organic Compound Analysis (VOC)

- Trace concentrations of VOCs were detected in soil samples KM-MW1 3-4' and KM-MW3 1-3'. Only benzene in KM-MW-1 3-4' was detected above the groundwater pathway RCL. Concentrations for VOCs concentrations in groundwater were all detected below the enforcement standard.

Groundwater Assessment

Inorganic Analysis (RCRA Metals)

- Dissolved arsenic, dissolved lead, and dissolved cadmium were detected above the PAL in one or more groundwater samples submitted for laboratory analysis. However, the concentrations appear to be within the range of naturally occurring background concentrations. RCRA metal concentrations were all detected below the ES.

Volatile Organic Compound Analysis (VOCs)

- Trace concentrations of VOCs were detected in groundwater sampled from KM-MW1, KM-MW3, and KM-MW5. Benzene was the only compound detected above the PAL in each of the groundwater samples collected from these wells. Concentrations of VOCs were not detected above the ES.

Recommendations

Ayres Associates recommends the following, based on information collected during the site assessment:

- Bay-Lake Regional Planning Commission should submit this Phase II Environmental Site Assessment (ESA) report to the Wisconsin Department of Natural Resources (WDNR) and the U.S. Environmental Protection Agency (USEPA).

- Depending on the site use, additional investigation may be necessary regarding soil contamination based on the results of this Phase II Site Investigation. The elevated barium and lead concentrations detected in soil at KM-MW1 above non-industrial use should be investigated to assess the extent of these constituents exceeding the direct contact RCL if that use is proposed. If residential use is proposed and redeveloped for that purpose, the isolated area of soil containing barium and lead at concentrations above residential direct contact RCL, once delineated, should be appropriately mitigated or managed to eliminate the direct contact pathway.

- Analysis of groundwater samples did not indicate RCRA metals or VOC concentrations above enforcement standards. Therefore, no additional environmental activities for groundwater are warranted for this site.

Acknowledgment

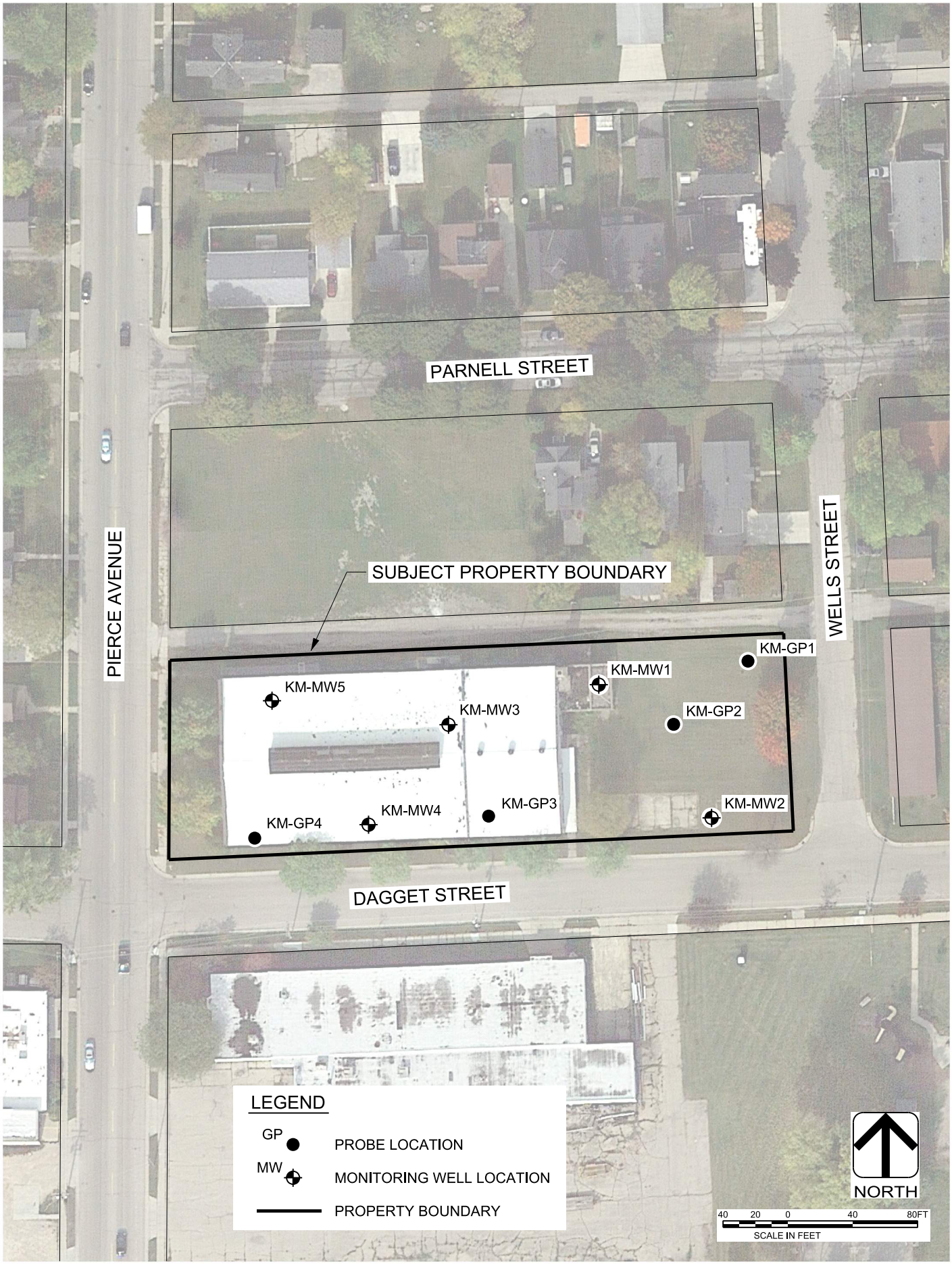
On behalf of the Bay-Lake Regional Planning Commission, Ayres Associates would like to extend its sincere appreciation to the U.S. Environmental Protection Agency (USEPA) for their funding support and to the Wisconsin Department of Natural Resources (WDNR) for their technical assistance. The USEPA Brownfield Site Assessment Grant Program not only graciously awarded Bay-Lake Regional Planning Commission this grant to assist in funding the environmental activities outlined in this report but has continued to support Bay-Lake Regional Planning Commission efforts for the redevelopment of sites within the Commission's eight-county region. We are indebted to the USEPA for making financial assistance available for this important redevelopment project.

Figures

Source: USGS 7.5-Minute Series Topographic Quadrangle, Marinette, Wisconsin, 2013

Figure 1 – Location Map
Phase II Environmental Site Assessment
1650 Pierce Avenue
Marinette, Wisconsin
October 2019 51-0318.20

AYRES ASSOCIATES



DES BY	TG
DR BY	CRB
JOB NO	51-0318.20
DATE	NOV 2019

PHASE II ENVIRONMENTAL SITE ASSESSMENT
1650 PIERCE AVENUE
MARINETTE, WISCONSIN

AYRES ASSOCIATES
EAU CLAIRE, WISCONSIN

SOIL PROBE AND MONITORING WELL LOCATION MAP

FIGURE NO
Fig 2

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11/13/2019
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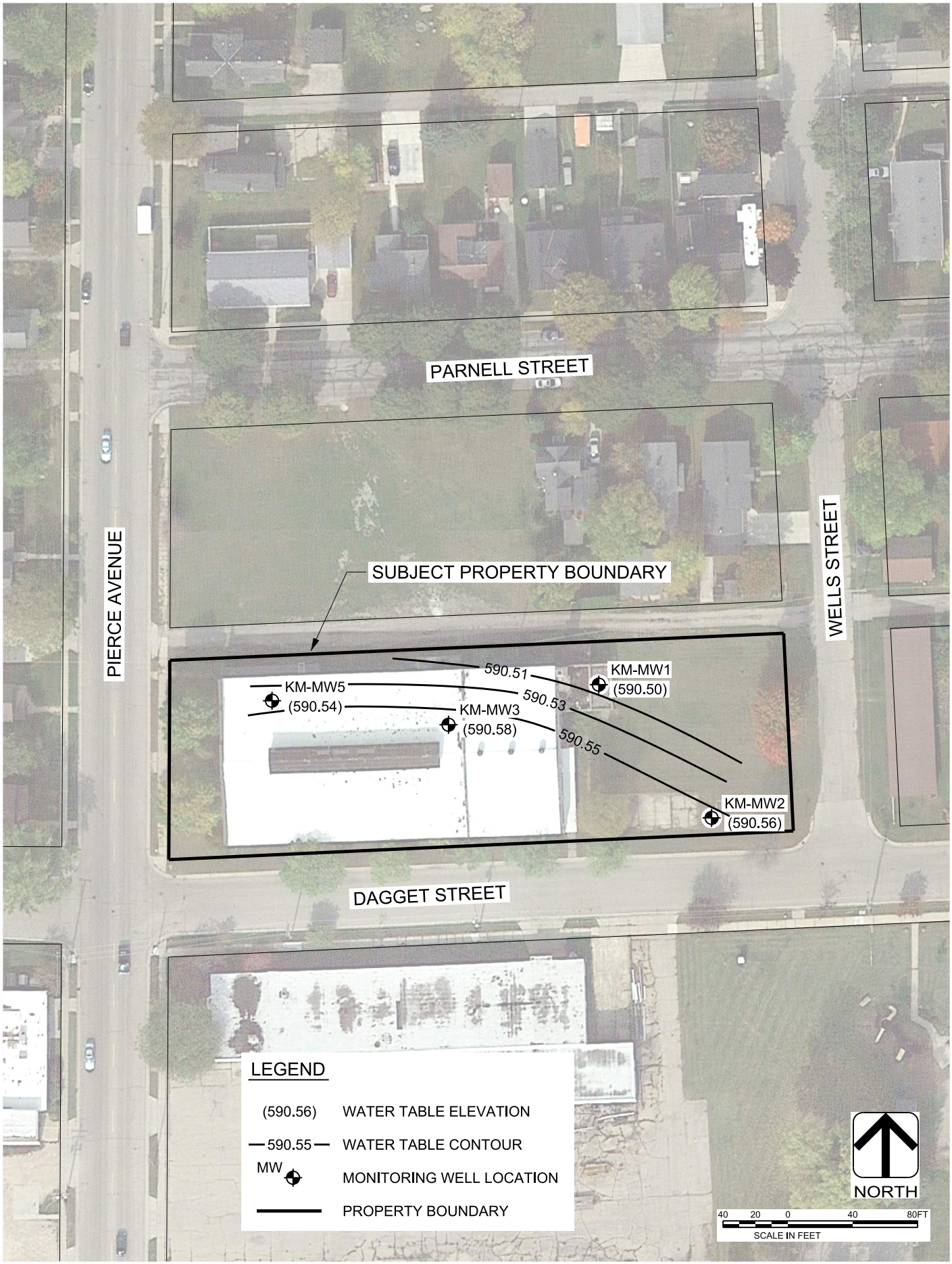

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DR BY	CRB
JOB NO	51-0318.20
DATE	NOV 2019

PHASE II ENVIRONMENTAL SITE ASSESSMENT
1650 PIERCE AVENUE
MARINETTE, WISCONSIN

AYRES ASSOCIATES
EAU CLAIRE, WISCONSIN

GROUNDWATER CONTOUR MAP
OCTOBER 1, 2019

FIGURE NO
Fig 3

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Tables

Table 2
Summary of Soil Sample Analytical Detections
Former Knitting Mill
1650 Pierce Avenue, Marinette

	Sample Date		9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019		Non-Industrial	Industrial	
	Sample ID		KM-GP1 4-5'	KM-MW2 4-5'	KM-GP2 2-3'	KM-MW1 3-4'	Duplicate*	KM-GP3 3-4'	KM-MW3 1-3'	KM-GP4 4-5'	KM-MW5 2-4'	MEOH BLANK	DC RCL	DC RCL	GW RCL
	Soil Type														
Metals															
Arsenic	mg/kg	EPA 6010C	0.93	<0.69	0.018	5.5	4.6	2.4	1.3	1.7	2.1	--	8 §	8 §	0.584
Barium	mg/kg	EPA 6010C	8.5	7.4	0.094	**667**	**882**	7.6	23.2	11.9	27.5	--	364	1000	164.8
Cadmium	mg/kg	EPA 6010C	0.096	<0.048	<0.00052	2.1	1.7	0.086	0.17	0.1	0.13	--	71.1	985	0.752
Chromium	mg/kg	EPA 6010C	10.2	4.7	0.066	12	9	6.9	5.7	10.5	8.3	--	NS	NS	360,000
Lead	mg/kg	EPA 6010C	1.5	5.4	0.01	**621**	**652**	6.2	36.8	5.4	35.3	--	400	800	27
Mercury	mg/kg	EPA 7471B	0.0037	0.005	0.0087	0.11	0.13	0.0087	0.014	0.015	0.077	--	3.13	3.13	0.208
Selenium	mg/kg	EPA 6010C	<1.8	<1.7	<0.018	<2	<2.3	<1.9	<1.8	<1.7	<1.9	--	391	5840	0.52
Silver	mg/kg	EPA 6010C	<0.36	<0.32	<0.0035	1.9	2.1	<0.37	0.36	<0.34	<0.36	--	391	5840	0.8491
VOC															
1,2,4-Trimethylbenzene	mg/kg	EPA 8260C	<0.012	<0.01	<0.011	0.0198	--	<0.011	0.0382	<0.01	--	<0.011	219	219	1.3787
Styrene	mg/kg	EPA 8260C	<0.017	<0.015	<0.015	0.0297	--	<0.015	<0.015	<0.015	--	<0.016	867	867	0.22
Benzene	mg/kg	EPA 8260C	<0.012	<0.01	<0.011	0.0588	--	<0.011	<0.01	<0.01	--	<0.011	1.6	7.07	0.0051
Ethylbenzene	mg/kg	EPA 8260C	<0.012	<0.01	<0.011	0.0256	--	<0.011	<0.01	<0.01	--	<0.011	8.02	35.4	1.57
m & p-Xylene	mg/kg	EPA 8260C	<0.027	<0.023	<0.024	0.0505	--	<0.024	0.0371	<0.023	--	<0.025	260	260	3.96
o-Xylene	mg/kg	EPA 8260C	<0.0075	<0.0065	<0.0067	0.0164	--	<0.0068	0.0521	<0.0064	--	<0.0072			
Naphthalene	mg/kg	EPA 8260C	<0.016	<0.014	<0.014	0.0463	--	<0.015	0.0624	<0.014	--	<0.015	5.52	24.1	0.6582
Toluene	mg/kg	EPA 8260C	<0.017	<0.015	<0.015	0.0731	--	<0.015	<0.015	<0.015	--	<0.016	818	818	1.1072

DC RCL - Direct Contact Residual Contaminant Level

GW RCL- Protection of Groundwater Residual Contaminat Level

BOLD Concentration detceted above Non-industrial DC RCL

BOLD Concentration detected above Industrial DC RCL

concentration Concentration detected above GW RCL

RCL obtained from WDNR RCL Spreadsheet 12/18

NS - standard not established

-- Not Analyzed

* - duplicate of sample KM-MW1 3-4'

§ - background threshold value for arsenic was used as the direct contact standard

Table 3
Groundwater Analytical Results
Former Knitting Mill
1650 Pierce Avenue, Marinette

	Sample Date		10/1/2019	10/1/2019	10/1/2019	10/1/2019	10/1/2019	10/1/2019	NR 140 GW Standards	
	Sample ID		KM-MW1	Duplicate*	KM-MW2	KM-MW3	KM-MW5	TRIP BLANK	ES	PAL
Metals										
Dissolved Arsenic	ug/L	EPA 7010	*2*	--	*1.3*	*1.5*	*9.1*	--	10	1
Dissolved Barium	ug/L	EPA 6010C	92.9	--	16.1	136	105	--	2000	400
Dissolved Cadmium	ug/L	EPA 6010C	<0.4	--	<0.4	<0.4	*0.84*	--	5	0.5
Dissolved Chromium	ug/L	EPA 6010C	<2	--	<2	<2	<2	--	100	10
Dissolved Lead	ug/L	EPA 6010C	*4.1*	--	*2.3*	*2*	1.4	--	15	1.5
Dissolved Mercury	ug/L	EPA 7470A	<0.02	--	<0.02	<0.02	0.035	--	2	0.2
Dissolved Selenium	ug/L	EPA 6010C	<7	--	<7	<7	<7	--	50	10
Dissolved Silver	ug/L	EPA 6010C	<2.5	--	<2.5	<2.5	<2.5	--	50	10
VOC										
1,1-Dichloroethane	ug/L	EPA 8260C	0.32	0.31	<0.3	0.55	<0.3	<0.3	850	85
Acetone	ug/L	EPA 8260C	<4	<4	<4	<4	23	7.9	9,000	1,800
Benzene	ug/L	EPA 8260C	*3.5*	*3.3*	<0.4	*4.8*	*0.64*	<0.4	5	0.5
Ethylbenzene	ug/L	EPA 8260C	0.72	0.7	<0.3	<0.3	<0.3	<0.3	700	140
Methylene Chloride	ug/L	EPA 8260C	<0.4	<0.4	<0.4	<0.4	<0.4	0.84	5	0.5
Naphthalene	ug/L	EPA 8260C	0.38	0.31	<0.50	<0.3	<0.3	<0.3	100	10
Styrene	ug/L	EPA 8260C	0.45	0.38	<0.40	<0.29	<0.29	<0.29	100	10
Toluene	ug/L	EPA 8260C	0.79	0.83	<0.30	<0.21	<0.21	<0.21	800	160

BOLD	Exceeds NR 140 Wisconsin Administrative Code Groundwater Enforcement Standard (ES)
Italics	Exceeds NR 140 Wisconsin Administrative Code Groundwater Preventive Action Limit (PAL)
ns	No NR 140 Wisconsin Administrative Code Groundwater Standard established
---	Not Analyzed
ug/L	Concentration reported as micrograms per liter, equivalent to parts per billion (ppb).
*	Duplicate sample of KM-MW1
	See lab data sheets for a complete list of analytes

Appendix A

Geologic Logs

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name: **Knitting Mill - 1650 Pierce Avenue, Marinette, WI**	License/Permit/Monitoring Numbe:	Boring Number: **KM-GP-1**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started: **9/30/2019** M/D/Y	Date Drilling Completed: **9/30/2019** M/D/Y Drilling Method: **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level / Surface Elevation	Borehole Dia.: **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'14.90"N Long. 87°37'41.00"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W
Facility Id. / County: **Marinette**	County Code: **38**	Civil Town/City/or Village: **City of Marinette**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			0	topsoil										
1 cs	32/48		1	dark brown sand with silt, medium grained, poorly graded	SP-SM			0						
			2											
			3	medium brown sand, medium grained, poorly graded	SP			0						
2 cs	38/48		4											
				medium brown silty sand	SM									
			5					0						sample 4-5'
				medium brown sand, medium grained, poorly graded, wet at 5.5'	SP									
			6											
			7					0						
3 cs	38/24		8											
			9					0						
				gray sand, medium grained, poorly graded	SP									
			10	End of Boring at 10'										
			11											
			12											
			13											
			14											
			15											
			16											
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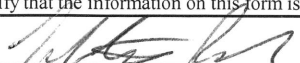
Signature  Firm: AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name: **Knitting Mill - 1650 Pierce Avenue, Marinette, WI**	License/Permit/Monitoring Numbe:		Boring Number: **KM-GP-2**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started: **9/30/2019** M/D/Y	Date Drilling Completed: **9/30/2019** M/D/Y	Drilling Method: **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.: **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'14.52"N --------- Long. 87°37'41.62"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id. / County: **Marinette**	County Code: **38**	Civil Town/City/or Village: **City of Marinette**	

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			-	topsoil										
			-1	dark brown sand with silt, poorly graded	SP-SM			0						
1 cs	36/48		-											
			-2	medium brown sand, medium grained, poorly graded	SP									
			-											sample 2-3'
			-3					0						
			-											
2 cs	28/48		-4											
			-											
			-5					0						
			-											
			-6	wet near 6'										
			-											
			-7	gray sand with silt, medium grained, poorly graded	SP-SM			0						
			-											
3 cs	36/24		-8	gray sand, medium grained, poorly graded	SP									
			-	medium brown sand, medium grained, poorly graded	SP									
			-9					0						
			-	gray sand with silt, medium grained, poorly graded	SP-SM									
			-10											
			-											
			-11	End of Boring at 10'										
			-											
			-12											
			-											
			-13											
			-											
			-14											
			-											
			-15											
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			-25											
			-											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature:  Firm: AYRES ASSOCIATES

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis.Stats. Completion of this report is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Numbe		Boring Number
Knitting Mill - 1650 Pierce Avenue, Marinette, WI			**KM-GP-3**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started **9/30/2019** M/D/Y	Date Drilling Completed **9/30/2019** M/D/Y	Drilling Method **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia. **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'13.96"N ---------- Long. 87°37'43.20"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id. / County **Marinette**	County Code **38**	Civil Town/City/or Village **City of Marinette**	

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	SOIL PROPERTIES PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			-1	topsoil				0						
1 cs	23/48		-2	sand fill with silt, wood, sandstone, limestone	FILL									
			-3					0						sample 3-4'
2 cs	36/48		-4											
			-5	wet at 5.5'				0						
			-6	medium brown sand, medium grained, poorly graded	SP									
			-7					0						
3 cs	38/24		-8											
			-9	gray sand, medium grained, poorly graded	SP			0						
			-10											
			-	End of Boring at 10'										
			-11											
			-12											
			-13											
			-14											
			-15											
			-16											
			-17											
			-18											
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			-23											
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			-25											

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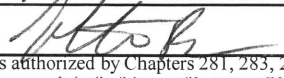
Signature  Firm AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Numbe		Boring Number
Knitting Mill - 1650 Pierce Avenue, Marinette, WI			**KM-GP-4**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started **9/30/2019** M/D/Y	Date Drilling Completed **9/30/2019** M/D/Y	Drilling Method **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia. **2**
Local Grid Origin L (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'13.83"N ---------- Long. 87°37'45.20"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id.	County **Marinette**	County Code **38**	Civil Town/City/or Village **City of Marinette**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			-	topsoil and dark brown silty sand fill	FILL									
			-1					0						
1 cs	36/48		-	medium brown fill sand, some gravel	FILL									
			-2											
			-	medium brown sand, medium grained, poorly graded	SP									
			-3					0						
			-											
2 cs	27/48		-4											
			-											
			-5	wet at 5.5'				0						sample 4-5'
			-											
			-6											
			-											
			-7					0						
			-											
3 cs	40/24		-8											
			-											
			-9	gray sand with silt, medium grained, poorly graded	SP-SM			0						
			-											
			-10	gray sand, medium grained, poorly graded	SP-SM									
			-											
			-11	End of Boring at 10'										
			-											
			-12											
			-											
			-13											
			-											
			-14											
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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Numbe		Boring Number
Knitting Mill - 1650 Pierce Avenue, Marinette, WI			**KM-MW-1**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started **9/30/2019** M/D/Y	Date Drilling Completed **9/30/2019** M/D/Y	Drilling Method **Direct Push Probe**
WI Unique Well No. / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia. **2**
Local Grid Origin L (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'14.76"N ---------- Long. 87°37'42.27"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id.	County **Marinette**	County Code **38**	Civil Town/City/or Village **City of Marinette**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	SOIL PROPERTIES PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			0	topsoil and dark brown silty sand fill	FILL			0						
1 cs	27/48		1	medium brown fill sand, poorly graded	FILL									
			2	dark brown silty fill with sandstone, wood, trace glass	FILL			0						
2 cs	0/48		3											sample 3-4'
			4	no recovery; likely fill										
			5					0						
			6											
			7					1						
3 cs	28/48		8											
			9	medium brown sand, medium grained, poorly graded, saturated, green foam with musty odor	SP			1						
			10											
			11											
			12											
			13	End of Boring at 12'										
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Numbe		Boring Number
Knitting Mill - 1650 Pierce Avenue, Marinette, WI			**KM-MW-2**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started **9/30/2019** M/D/Y	Date Drilling Completed **9/30/2019** M/D/Y	Drilling Method **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia. **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'13.96"N Long. 87°37'41.29"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id.	County **Marinette**	County Code **38**	Civil Town/City/or Village **City of Marinette**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	SOIL PROPERTIES PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			0	topsoil										
1 cs	33/48		1	dark brown sand with silt	SP-SM			0						
			2	medium brown sand, medium grained, poorly graded	SP									
			3					1						
2 cs	24/48		4											sample 4-5'
			5					1						
			6	wet at 5.5'										
			7					1						
3 cs	48/48		8											
			9					1						
			10	medium brown silty sand	SM									
			11	medium brown sand, medium grained, poorly graded	SP			1						
4 cs	48/36		12	gray sand, with little silt	SP									
			13	medium brown sand, medium grained, poorly graded	SP			1						
			14											
			15	gray sand, poorly graded	SP									
			16	End of Boring at 15'										
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											

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Signature  Firm AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name: **Knitting Mill - 1650 Pierce Avenue, Marinette, WI**	License/Permit/Monitoring Number:		Boring Number: **KM-MW-3**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started: **9/30/2019** M/D/Y	Date Drilling Completed: **9/30/2019** M/D/Y	Drilling Method: **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.: **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'14.52"N Long. 87°37'43.55"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id.	County: **Marinette**	County Code: **38**	Civil Town/City/or Village: **City of Marinette**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	SOIL PROPERTIES PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			0	sandy topsoil										
1 cs	32/48		1	brown sand fill with trace wood	FILL			0						
			2											
			3					0						
2 cs	42/48		4											sample 1-3'
			5					0						
			6											
			7					1						
3 cs	48/48		8	medium brown sand, medium grained, poorly graded	SP									
			9					1						
			10	gray sand, some silt, poorly graded	SP-SM									
			11	gray sand, medium grained, poorly graded	SP			1						
			12	End of Boring at 12'										
			13											
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											

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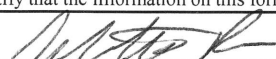
Signature:  Firm: AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

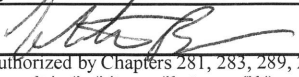
SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Numbe		Boring Number
Knitting Mill - 1650 Pierce Avenue, Marinette, WI			**KM-MW-4**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started **9/30/2019** M/D/Y	Date Drilling Completed **9/30/2019** M/D/Y	Drilling Method **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ _ / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation	Borehole Dia. **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'13.91"N --- Long. 87°37'44.23"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
Facility Id.	County **Marinette**	County Code **38**	Civil Town/City/or Village **City of Marinette**

SAMPLE					SOIL PROPERTIES								
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
1 cs	36/36		0 -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25	topsoil sandy fill Refusal at 3' - likely concrete	FILL									no samples collected

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name: **Knitting Mill - 1650 Pierce Avenue, Marinette, WI**	License/Permit/Monitoring Numbe:	Boring Number: **KM-MW-5**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Last Name: Firm: **Geiss Soil & Samples, LLC**	Date Drilling Started: **9/30/2019** M/D/Y	Date Drilling Completed: **9/30/2019** M/D/Y Drilling Method: **Direct Push Probe**
WI Unique Well No. _ _ _ _ _ _ _ | DNR Well Id No. | Well Name	Final Static Water Level	Surface Elevation Borehole Dia.: **2**
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____N, _____E **SW 1/4 of NE 1/4, of Section 7, Township 30N, Range 24**	Lat. 45° 5'14.66"N Long. 87°37'45.06"W	Local Grid Location (If applicable) ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W
Facility Id. County: **Marinette**	County Code: **38**	Civil Town/City/or Village: **City of Marinette**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			- -1	topsoil				0						
1 cs	38/48		- -2	brown to gray sandy fill with wood and sandstone	FILL									sample 2-4'
			-3					0						
			-4											
			-5					0						
2 cs	34/48		-6											
			-7					0						
			-8	gray sand, poorly graded	SP									
			-9					0						
3 cs	39/48		-10	brown sand, poorly graded	SP									
			-11	gray sand, poorly graded	SP			0						
			-12											
			-13	End of Boring at 12'										
			-14											
			-15											
			-16											
			-17											
			-18											
			-19											
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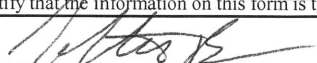
Signature:  Firm: AYRES ASSOCIATES

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-GP1)	

Latitude / Longitude (see instructions): 45° 5'14.90" N, 87°37'41.00" W
Format Code: ☐ DD ☒ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	10	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		09/30/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/11/19

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-GP2)	

Latitude / Longitude (see instructions): 45° 5'14.52" N, 87°37'41.62" W
Format Code: ☐ DD ☒ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	12	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		09/30/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/1/19

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-GP3)	

Latitude / Longitude (see instructions): 45° 5'13.96" N, 87°37'43.20" W
Format Code: ☐ DD ☒ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	24 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave
Well City, Village or Town: Marinette
Well ZIP Code: 54313
Subdivision Name:
Lot #:
Reason for Removal from Service: investigatory boring
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd
City of Present Owner: Marinette
State: WI
ZIP Code: 54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	10	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		09/30/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/11/19

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-GP4)	

Latitude / Longitude (see instructions): 45° 5'13.83" N, 87°37'45.20" W
Format Code: ☐ DD ☒ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #	SW / NE	7	30 N	24 ☒ E ☐ W

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	10	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		09/30/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/11/19

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-MW1)	

Latitude / Longitude (see instructions): 45° 5'14.76" N, 87°37'42.27" W
Format Code: ☐ DD ☒ DDM
Method Code: ☒ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	12

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	12	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		10/01/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/15/19

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-MW2)	

Latitude / Longitude (see instructions): 45° 5'13.96" N, 87°37'41.29" W
Format Code: ☐ DD ☒ DDM
Method Code: ☒ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	15

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	15	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		10/01/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/1/19

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-MW3)	

Latitude / Longitude (see instructions)	Format Code	Method Code
45° 5'14.52" N	☐ DD	☒ GPS008
87°37'43.55" W	☒ DDM	☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	24 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Polzin Property Management, LLC

Present Well Owner: Polzin Property Management, LLC

Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	12

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	12	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		10/01/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/11/19

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-MW4)	

Latitude / Longitude (see instructions): 45° 5'13.91" N, 87°37'44.23" W
Format Code: ☐ DD ☒ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
3	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	3	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		09/30/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/11/19

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Marinette	NA (KM-MW5)	

Latitude / Longitude (see instructions): 45° 5'14.66" N, 87°37'45.06" W
Format Code: ☐ DD ☒ DDM
Method Code: ☒ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	7	30 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 1650 Pierce Ave

Well City, Village or Town	Well ZIP Code
Marinette	54313

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
investigatory boring	

2. Facility / Owner Information

Facility Name: Former knitting mill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Polzin Property Management, LLC
Present Well Owner: Polzin Property Management, LLC
Mailing Address of Present Owner: W1445 Madsen Rd

City of Present Owner	State	ZIP Code
Marinette	WI	54143

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/30/2019
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): direct push soil probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	12

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	5.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite chips	Surface	12	<1	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Ayres Associates		10/01/2019

Street or Route	Telephone Number
3433 Oakwood Hills Parkway	(715) 834-3161

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Eau Claire	WI	54701		10/11/19

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: knitting mill	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: KM-MW1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 45° 5'14.76"N " Long. 87°37'42.27"W " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 09 / 30 / 2019 (m m d d y y y y)
Type of Well: Well Code 99 / OT	Section Location of Waste/Source: SW 1/4 of NE 1/4 of Sec. 7, T. 30 N, R. 24 ☒ E. ☐ W.	Well Installed By: Name (first, last) and Firm: Darrin Prentice; Geiss Soil & Samples, LLC
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 598.49 ft. MSL

C. Land surface elevation 595.39 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; direct push probe; Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 595.39 ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top 593.89 ft. MSL or _____ ft.

H. Screen joint, top 593.39 ft. MSL or _____ ft.

I. Well bottom 583.39 ft. MSL or _____ ft.

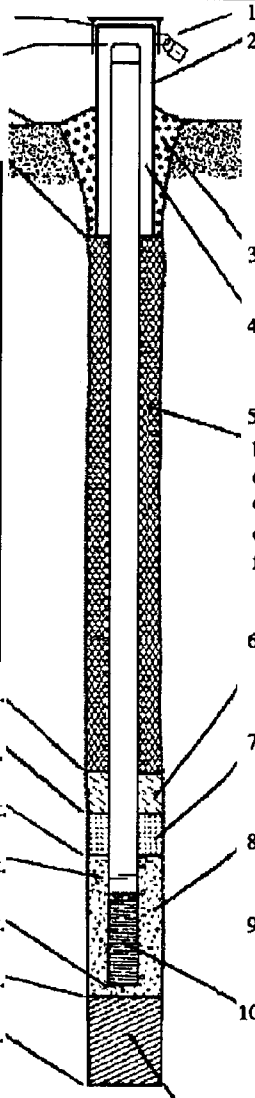
J. Filter pack, bottom 583.39 ft. MSL or _____ ft.

K. Borehole, bottom 583.39 ft. MSL or _____ ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.315 in.

N. I.D. well casing 1.033 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel ☐ 04; Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Ayres Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
knitting mill (former)	Marinette	KM-MW1
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	38	_____ / ___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other surged with rigid tubing	☒

3. Time spent developing well 20 min.

4. Depth of well (from top of well casisng) 14.44 ft.

5. Inside diameter of well 1.03 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 3.5 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.87 ft.	7.91 ft.
Date	b. 09/30/2019 (m m d d y y y y)	09/30/2019
Time	c. 4:45 ☐ a.m. ☒ p.m.	5:05 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	____.__ inches	____.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) fine sediment & slight green tint	Clear ☒ 20 Turbid ☐ 25 (Describe) slight green tint

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Mitchell Last Name: Banach
Firm: Ayres Associates

17. Additional comments on development: Purged with peristaltic pump and surged with rigid tubing. Water appeared clear of sediment after development.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Brian Last Name: Polzin
Facility/Firm: Polzin Property Management, LLC
Street: W1445 Madsen Rd
City/State/Zip: Marinette, WI 54143

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Mitchell Banach
Firm: Ayres Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name knitting mill	**Local Grid Location of Well** ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	**Well Name** KM-MW2
Facility License, Permit or Monitoring No.	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. 45° 5'13.96"N " Long. 87°37'41.29"W " or	**Wis. Unique Well No.** _____ **DNR Well ID No.** _____
Facility ID _____	**St. Plane** _____ ft. N, _____ ft. E. S/C/N	**Date Well Installed** 09 / 30 / 2019 (m m d d y y y y)
Type of Well Well Code 99 / OT	**Section Location of Waste/Source** SW 1/4 of NE 1/4 of Sec. 7, T. 30 N, R. 24 ☒ E. ☐ W.	**Well Installed By: Name (first, last) and Firm** Darrin Prentice Geiss Soil & Samples, LLC
Distance from Waste/Source _____ ft. **Enf. Stds. Apply** ☒	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	**Gov. Lot Number** _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 597.19 ft. MSL

C. Land surface elevation 595.35 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
direct push probe Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 595.35 ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top 593.85 ft. MSL or _____ ft.

H. Screen joint, top 590.35 ft. MSL or _____ ft.

I. Well bottom 580.35 ft. MSL or _____ ft.

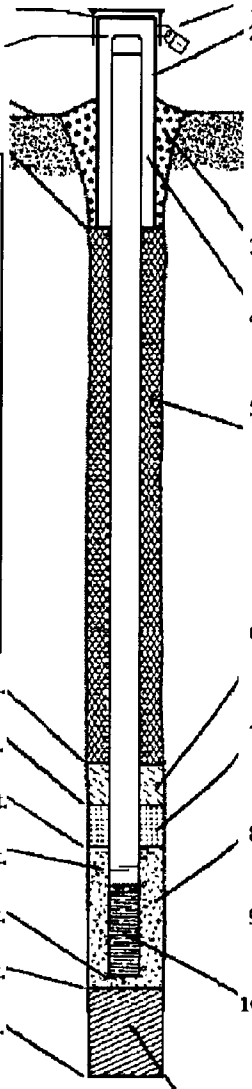
J. Filter pack, bottom 580.35 ft. MSL or _____ ft.

K. Borehole, bottom 580.35 ft. MSL or _____ ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.315 in.

N. I.D. well casing 1.033 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel ☐ 04
_____ Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
_____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
_____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

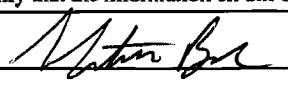
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ayres Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
knitting mill (former)	Marinette	KM-MW2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	38	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☒	51
pumped slowly	☐	50
Other surged with rigid tubing	☒	99

3. Time spent developing well 25 min.

4. Depth of well (from top of well casisng) 16.43 ft.

5. Inside diameter of well 1.03 in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well 5.0 gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.44 ft.	6.63 ft.
Date	b. 09/30/2019 (m m d d y y y y)	09/30/2019
Time	c. 2:45 ☐ a.m. ☒ p.m.	3:10 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
	(Describe) fine sediment	(Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Mitchell Last Name: Banach
Firm: Ayres Associates

17. Additional comments on development: Purged with peristaltic pump and surged with rigid tubing. Water appeared clear of sediment after development.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Brian Last Name: Polzin
Facility/Firm: Polzin Property Management, LLC
Street: W1445 Madsen Rd
City/State/Zip: Marinette, WI 54143

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Mitchell Banach
Firm: Ayres Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: knitting mill	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: KM-MW3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 45° 5'14.52"N " Long. 87°37'43.55"W " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 09 / 30 / 2019 (m m d d y y y y)
Type of Well Well Code 99 / OT	Section Location of Waste/Source: SW 1/4 of NE 1/4 of Sec. 7 , T. 30 N, R. 24 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice; Geiss Soil & Samples, LLC
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 599.36 ft. MSL

C. Land surface elevation 596.4 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; direct push probe; Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 596.4 ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top 594.9 ft. MSL or _____ ft.

H. Screen joint, top 594.4 ft. MSL or _____ ft.

I. Well bottom 584.4 ft. MSL or _____ ft.

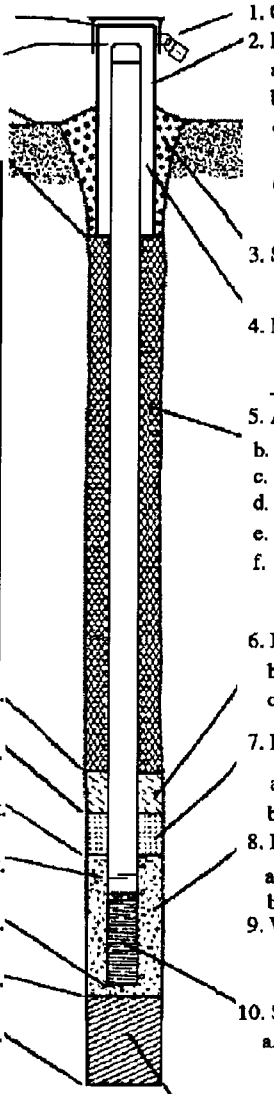
J. Filter pack, bottom 584.4 ft. MSL or _____ ft.

K. Borehole, bottom 584.4 ft. MSL or _____ ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.315 in.

N. I.D. well casing 1.033 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: _____ Steel ☐ 04 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Ayres Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
knitting mill (former)	Marinette	KM-MW3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	38	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☒	51
pumped slowly	☐	50
Other surged with rigid tubing	☒	99

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 14.10 ft.

5. Inside diameter of well 1.03 in.

6. Volume of water in filter pack and well casing ___.__ gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.73 ft.	8.76 ft.
Date	b. 09/30/2019 (m m d d y y y y)	09/30/2019
Time	c. 4:20 ☐ a.m. ☒ p.m.	4:35 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) fine sediment	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Mitchell Last Name: Banach
Firm: Ayres Associates

17. Additional comments on development: Purged with peristaltic pump and surged with rigid tubing. Water appeared clear of sediment after development.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Brian Last Name: Polzin
Facility/Firm: Polzin Property Management, LLC
Street: W1445 Madsen Rd
City/State/Zip: Marinette, WI 54143

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Mitchell Banach
Firm: Ayres Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: knitting mill	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: KM-MW5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 45° 5'14.66"N " Long. 87°37'45.06"W " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 09 / 30 / 2019 (m m d d y y y y)
Type of Well: Well Code 99 / OT	Section Location of Waste/Source: SW 1/4 of NE 1/4 of Sec. 7, T. 30 N, R. 24 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice; Geiss Soil & Samples, LLC
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 598.62 ft. MSL

C. Land surface elevation 595.49 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / direct push probe / Other ☒

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

_____

E. Bentonite seal, top 595.49 ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or _____ ft.

G. Filter pack, top 593.99 ft. MSL or _____ ft.

H. Screen joint, top 593.49 ft. MSL or _____ ft.

I. Well bottom 583.49 ft. MSL or _____ ft.

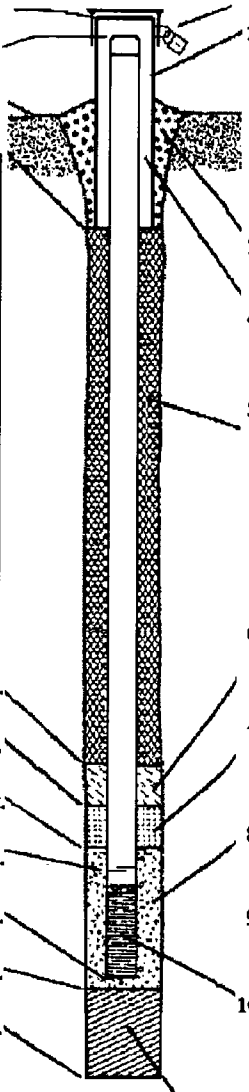
J. Filter pack, bottom 583.49 ft. MSL or _____ ft.

K. Borehole, bottom 583.49 ft. MSL or _____ ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.315 in.

N. I.D. well casing 1.033 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: _____ Steel ☐ 04 / Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / _____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☐ 30 / _____ Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / _____ Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / _____ Other ☐
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): _____ None ☒ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ayres Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
knitting mill (former)	Marinette	KM-MW5
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	38	_____ / ___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☒	51
pumped slowly	☐	50
Other surged with rigid tubing	☒	[illegible]

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 14.20 ft.

5. Inside diameter of well 1.03 in.

6. Volume of water in filter pack and well casing ___.__ gal.

7. Volume of water removed from well 3.0 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.03 ft.	8.07 ft.
Date	b. 09/30/2019 (m m d d y y y y)	09/30/2019
Time	c. 3:55 ☐ a.m. ☒ p.m.	4:10 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
	(Describe) fine sediment	(Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___.__ mg/l	___.__ mg/l
15. COD	___.__ mg/l	___.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Mitchell Last Name: Banach
Firm: Ayres Associates

17. Additional comments on development: Purged with peristaltic pump and surged with rigid tubing. Water appeared clear of sediment after development.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Brian Last Name: Polzin
Facility/Firm: Polzin Property Management, LLC
Street: W1445 Madsen Rd
City/State/Zip: Marinette, WI 54143

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Mitchell Banach
Firm: Ayres Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

Appendix B

Laboratory Analytical Reports

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

AYRES ASSOCIATES
MITCH BANACH
3433 OAKWOOD HILLS PKWY
EAU CLAIRE, WI 54701-1590

Project Name: KNITTING MILL
Project Phase:
Contract #: 1451
Project #: 51-0318.10
Folder #: 148568
Purchase Order #:

Arrival Temperature: See COC
Report Date: 10/23/2019
Date Received: 10/03/2019
Reprint Date: 10/23/2019

CT LAB Sample#: 335837 Sample Description: KM-GP1(4-5) Sampled: 09/30/2019 1008

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**81.4**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**0.93**	mg/kg	0.75 *	2.7	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Barium	**8.5**	mg/kg	0.054	0.18	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Cadmium	**0.096**	mg/kg	0.053 *	0.18	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Chromium	**10.2**	mg/kg	1.6	5.2	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Lead	**1.5**	mg/kg	0.32	1.1	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Selenium	<1.8	mg/kg	1.8	6.0	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Silver	<0.36	mg/kg	0.36	1.2	1		10/07/2019 07:28	10/10/2019 10:18	NAH	EPA 6010C
Mercury	**0.0037**	mg/kg	0.00064	0.0022	1		10/07/2019 14:14	10/08/2019 13:41	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.064	mg/kg	0.064	0.21	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.017	mg/kg	0.017	0.056	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.022	0.076	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C

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

CT LAB Sample#: 335837 Sample Description: KM-GP1(4-5) Sampled: 09/30/2019 1008

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2-Trichloroethane	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,1-Dichloroethane	<0.0075	mg/kg	0.0075	0.025	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,1-Dichloroethene	<0.022	mg/kg	0.022	0.076	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,1-Dichloropropene	<0.029	mg/kg	0.029	0.096	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.043	mg/kg	0.043	0.15	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.018	mg/kg	0.018	0.062	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.012	mg/kg	0.012	0.037	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.075	mg/kg	0.075	0.26	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2-Dibromoethane	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.016	mg/kg	0.016	0.052	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2-Dichloroethane	<0.024	mg/kg	0.024	0.079	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,2-Dichloropropane	<0.028	mg/kg	0.028	0.092	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,3-Dichloropropane	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.016	mg/kg	0.016	0.055	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
2,2-Dichloropropane	<0.022	mg/kg	0.022	0.075	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
2-Butanone	<0.43	mg/kg	0.43	1.3	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
2-Chlorotoluene	<0.019	mg/kg	0.019	0.063	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
2-Hexanone	<0.21	mg/kg	0.21	0.75	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
4-Chlorotoluene	<0.016	mg/kg	0.016	0.052	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.19	mg/kg	0.19	0.65	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Acetone	<0.43	mg/kg	0.43	1.4	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Benzene	<0.012	mg/kg	0.012	0.037	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C

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

CT LAB Sample#: 335837 Sample Description: KM-GP1(4-5) Sampled: 09/30/2019 1008

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromobenzene	<0.017	mg/kg	0.017	0.056	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Bromochloromethane	<0.018	mg/kg	0.018	0.062	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Bromodichloromethane	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Bromoform	<0.064	mg/kg	0.064	0.20	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Bromomethane	<0.096	mg/kg	0.096	0.32	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Carbon disulfide	<0.043	mg/kg	0.043	0.13	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Carbon tetrachloride	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Chlorobenzene	<0.011	mg/kg	0.011	0.034	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Chloroethane	<0.032	mg/kg	0.032	0.13	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Chloroform	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Chloromethane	<0.032	mg/kg	0.032	0.11	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.029	mg/kg	0.029	0.096	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Dibromochloromethane	<0.043	mg/kg	0.043	0.15	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Dibromomethane	<0.022	mg/kg	0.022	0.075	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Dichlorodifluoromethane	<0.053	mg/kg	0.053	0.18	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Diisopropyl ether	<0.019	mg/kg	0.019	0.065	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Ethylbenzene	<0.012	mg/kg	0.012	0.037	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Hexachlorobutadiene	<0.025	mg/kg	0.025	0.083	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Isopropylbenzene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
m & p-Xylene	<0.027	mg/kg	0.027	0.088	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Methyl tert-butyl ether	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Methylene chloride	<0.064	mg/kg	0.064	0.22	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
n-Butylbenzene	<0.018	mg/kg	0.018	0.059	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
n-Propylbenzene	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C

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

CT LAB Sample#: 335837 Sample Description: KM-GP1(4-5) Sampled: 09/30/2019 1008

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.016	mg/kg	0.016	0.052	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
o-Xylene	<0.0075	mg/kg	0.0075	0.024	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
p-Isopropyltoluene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
sec-Butylbenzene	<0.012	mg/kg	0.012	0.037	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Styrene	<0.017	mg/kg	0.017	0.056	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
tert-Butylbenzene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Tetrachloroethene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Tetrahydrofuran	<0.27	mg/kg	0.27	0.89	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Toluene	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.043	mg/kg	0.043	0.13	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Trichloroethene	<0.020	mg/kg	0.020	0.066	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Trichlorofluoromethane	<0.043	mg/kg	0.043	0.13	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Vinyl acetate	<0.43	mg/kg	0.43	1.4	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C
Vinyl chloride	<0.020	mg/kg	0.020	0.068	1		10/08/2019 14:35	10/11/2019 17:01	RLD	EPA 8260C

CT LAB Sample#: 335838 Sample Description: KM-MW2(4-5) Sampled: 09/30/2019 1033

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**89.5**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	<0.69	mg/kg	0.69	2.5	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C
Barium	**7.4**	mg/kg	0.049	0.17	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C

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

CT LAB Sample#: 335838 Sample Description: KM-MW2(4-5) Sampled: 09/30/2019 1033

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Cadmium	<0.048	mg/kg	0.048	0.16	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C
Chromium	**4.7**	mg/kg	1.4	4.7	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C
Lead	**5.4**	mg/kg	0.29	0.99	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C
Selenium	<1.7	mg/kg	1.7	5.5	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C
Silver	<0.32	mg/kg	0.32	1.1	1		10/07/2019 07:28	10/10/2019 10:24	NAH	EPA 6010C
Mercury	**0.0050**	mg/kg	0.00058	0.0020	1		10/07/2019 14:14	10/08/2019 13:43	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.056	mg/kg	0.056	0.19	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.066	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.037	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.0065	mg/kg	0.0065	0.021	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.066	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.084	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.037	mg/kg	0.037	0.13	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.065	mg/kg	0.065	0.22	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.069	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.080	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 17:29	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 Sample#: 335838 Sample Description: KM-MW2(4-5) Sampled: 09/30/2019 1033

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.065	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
2-Butanone	<0.37	mg/kg	0.37	1.1	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.055	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.65	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.57	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Acetone	<0.37	mg/kg	0.37	1.2	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Bromoform	<0.056	mg/kg	0.056	0.18	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Bromomethane	<0.084	mg/kg	0.084	0.28	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Carbon disulfide	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Chlorobenzene	<0.0093	mg/kg	0.0093	0.030	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.093	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.084	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Dibromochloromethane	<0.037	mg/kg	0.037	0.13	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.065	1		10/08/2019 14:35	10/11/2019 17:29	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 Sample#: 335838 Sample Description: KM-MW2(4-5) Sampled: 09/30/2019 1033

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dichlorodifluoromethane	<0.046	mg/kg	0.046	0.16	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.072	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
m & p-Xylene	<0.023	mg/kg	0.023	0.076	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Methylene chloride	<0.056	mg/kg	0.056	0.20	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.051	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.039	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
o-Xylene	<0.0065	mg/kg	0.0065	0.020	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.77	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.058	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Vinyl acetate	<0.37	mg/kg	0.37	1.2	1		10/08/2019 14:35	10/11/2019 17:29	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.059	1		10/08/2019 14:35	10/11/2019 17:29	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 Sample#: 335839 Sample Description: KM-GP2(2-3) Sampled: 09/30/2019 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**94.2**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**0.018**	mg/kg	0.0074 *	0.027	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Barium	**0.094**	mg/kg	0.00053	0.0018	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Cadmium	<0.00052	mg/kg	0.00052	0.0017	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Chromium	**0.066**	mg/kg	0.015	0.051	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Lead	**0.010**	mg/kg	0.0032 *	0.011	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Selenium	<0.018	mg/kg	0.018	0.059	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Silver	<0.0035	mg/kg	0.0035	0.012	1		10/07/2019 07:28	10/10/2019 10:31	NAH	EPA 6010C
Mercury	**0.0087**	mg/kg	0.00056	0.0019	1		10/07/2019 14:14	10/08/2019 13:53	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.057	mg/kg	0.057	0.19	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.068	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,1-Dichloroethane	<0.0067	mg/kg	0.0067	0.022	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.068	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.086	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.035	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.038	mg/kg	0.038	0.13	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.056	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.033	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.067	mg/kg	0.067	0.23	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C

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

CT LAB Sample#: 335839 Sample Description: KM-GP2(2-3) Sampled: 09/30/2019 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.036	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.071	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.082	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.042	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.046	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.049	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.067	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
2-Butanone	<0.38	mg/kg	0.38	1.1	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.056	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.67	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.58	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Acetone	<0.38	mg/kg	0.38	1.2	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.033	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.056	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Bromoform	<0.057	mg/kg	0.057	0.18	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Bromomethane	<0.086	mg/kg	0.086	0.29	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Carbon disulfide	<0.038	mg/kg	0.038	0.11	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Chlorobenzene	<0.0096	mg/kg	0.0096	0.031	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Chloroethane	<0.029	mg/kg	0.029	0.11	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C

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

CT LAB Sample#: 335839 Sample Description: KM-GP2(2-3) Sampled: 09/30/2019 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Chloromethane	<0.029	mg/kg	0.029	0.096	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.086	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.046	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Dibromochloromethane	<0.038	mg/kg	0.038	0.13	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.067	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Dichlorodifluoromethane	<0.048	mg/kg	0.048	0.16	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.058	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.033	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.075	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.078	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Methylene chloride	<0.057	mg/kg	0.057	0.20	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
o-Xylene	<0.0067	mg/kg	0.0067	0.021	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.042	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.033	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.039	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.035	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.79	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C

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

CT LAB Sample#: 335839 Sample Description: KM-GP2(2-3) Sampled: 09/30/2019 1100

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.038	mg/kg	0.038	0.11	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.059	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Trichlorofluoromethane	<0.038	mg/kg	0.038	0.11	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Vinyl acetate	<0.38	mg/kg	0.38	1.2	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.061	1		10/08/2019 14:35	10/11/2019 17:57	RLD	EPA 8260C

CT LAB Sample#: 335840 Sample Description: KM-MW1(3-4) Sampled: 09/30/2019 1124

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**76.6**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**5.5**	mg/kg	0.83	3.0	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Barium	**667**	mg/kg	0.059	0.20	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Cadmium	**2.1**	mg/kg	0.058	0.19	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Chromium	**12.0**	mg/kg	1.7	5.7	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Lead	**621**	mg/kg	0.36	1.2	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Selenium	<2.0	mg/kg	2.0	6.6	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Silver	**1.9**	mg/kg	0.39	1.3	1		10/07/2019 07:28	10/10/2019 10:38	NAH	EPA 6010C
Mercury	**0.11**	mg/kg	0.00068	0.0023	1		10/07/2019 14:14	10/08/2019 13:55	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.061	mg/kg	0.061	0.20	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C

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

CT LAB Sample#: 335840 Sample Description: KM-MW1(3-4) Sampled: 09/30/2019 1124

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.021	0.073	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,1-Dichloroethane	<0.0072	mg/kg	0.0072	0.024	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,1-Dichloroethene	<0.021	mg/kg	0.021	0.073	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,1-Dichloropropene	<0.028	mg/kg	0.028	0.092	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.041	mg/kg	0.041	0.14	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.017	mg/kg	0.017	0.059	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**0.0198**	mg/kg	0.011 *	0.036	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.072	mg/kg	0.072	0.25	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.039	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2-Dichloroethane	<0.022	mg/kg	0.022	0.076	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,2-Dichloropropane	<0.027	mg/kg	0.027	0.088	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.049	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.052	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
2,2-Dichloropropane	<0.021	mg/kg	0.021	0.072	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
2-Butanone	<0.41	mg/kg	0.41	1.2	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
2-Chlorotoluene	<0.018	mg/kg	0.018	0.060	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
2-Hexanone	<0.20	mg/kg	0.20	0.72	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.18	mg/kg	0.18	0.62	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Acetone	<0.41	mg/kg	0.41	1.3	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C

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

CT LAB Sample#: 335840 Sample Description: KM-MW1(3-4) Sampled: 09/30/2019 1124

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzene	**0.0588**	mg/kg	0.011	0.036	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Bromobenzene	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Bromochloromethane	<0.017	mg/kg	0.017	0.059	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Bromoform	<0.061	mg/kg	0.061	0.19	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Bromomethane	<0.092	mg/kg	0.092	0.31	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Carbon disulfide	<0.041	mg/kg	0.041	0.12	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Chlorobenzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Chloroethane	<0.031	mg/kg	0.031	0.12	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Chloroform	<0.016	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Chloromethane	<0.031	mg/kg	0.031	0.10	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.028	mg/kg	0.028	0.092	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.049	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Dibromochloromethane	<0.041	mg/kg	0.041	0.14	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Dibromomethane	<0.021	mg/kg	0.021	0.072	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Dichlorodifluoromethane	<0.051	mg/kg	0.051	0.17	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Diisopropyl ether	<0.018	mg/kg	0.018	0.062	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Ethylbenzene	**0.0256**	mg/kg	0.011 *	0.036	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Hexachlorobutadiene	<0.024	mg/kg	0.024	0.080	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
m & p-Xylene	**0.0505**	mg/kg	0.026 *	0.084	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Methyl tert-butyl ether	<0.016	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Methylene chloride	<0.061	mg/kg	0.061	0.21	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
n-Butylbenzene	<0.017	mg/kg	0.017	0.056	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C

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

CT LAB Sample#: 335840 Sample Description: KM-MW1(3-4) Sampled: 09/30/2019 1124

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Propylbenzene	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Naphthalene	**0.0463**	mg/kg	0.015 *	0.050	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
o-Xylene	**0.0164**	mg/kg	0.0072 *	0.022	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.036	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Styrene	**0.0297**	mg/kg	0.016 *	0.053	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.042	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Tetrahydrofuran	<0.26	mg/kg	0.26	0.85	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Toluene	**0.0731**	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.048	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.041	mg/kg	0.041	0.12	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Trichloroethene	<0.019	mg/kg	0.019	0.063	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Trichlorofluoromethane	<0.041	mg/kg	0.041	0.12	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Vinyl acetate	<0.41	mg/kg	0.41	1.3	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C
Vinyl chloride	<0.019	mg/kg	0.019	0.065	1		10/08/2019 14:35	10/11/2019 18:26	RLD	EPA 8260C

CT LAB Sample#: 335841 Sample Description: KM-GP3(3-4) Sampled: 09/30/2019 1153

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**85.3**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**2.4**	mg/kg	0.79 *	2.8	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C

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

CT LAB Sample#: 335841 Sample Description: KM-GP3(3-4) Sampled: 09/30/2019 1153

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Barium	**7.6**	mg/kg	0.056	0.19	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C
Cadmium	**0.086**	mg/kg	0.055 *	0.18	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C
Chromium	**6.9**	mg/kg	1.6	5.5	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C
Lead	**6.2**	mg/kg	0.34	1.1	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C
Selenium	<1.9	mg/kg	1.9	6.3	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C
Silver	<0.37	mg/kg	0.37	1.3	1		10/07/2019 07:28	10/10/2019 10:44	NAH	EPA 6010C
Mercury	**0.0087**	mg/kg	0.00060	0.0020	1		10/07/2019 14:14	10/08/2019 13:57	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.058	mg/kg	0.058	0.19	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.069	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.039	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,1-Dichloroethane	<0.0068	mg/kg	0.0068	0.022	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.069	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,1-Dichloropropene	<0.026	mg/kg	0.026	0.087	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.036	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.039	mg/kg	0.039	0.14	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.056	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.034	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.068	mg/kg	0.068	0.23	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.037	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.047	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2-Dichloroethane	<0.021	mg/kg	0.021	0.072	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,2-Dichloropropane	<0.025	mg/kg	0.025	0.083	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C

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

CT LAB Sample#: 335841 Sample Description: KM-GP3(3-4) Sampled: 09/30/2019 1153

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.044	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.068	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
2-Butanone	<0.39	mg/kg	0.39	1.2	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.68	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.047	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.59	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Acetone	<0.39	mg/kg	0.39	1.3	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Benzene	<0.011	mg/kg	0.011	0.034	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.056	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Bromoform	<0.058	mg/kg	0.058	0.18	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Bromomethane	<0.087	mg/kg	0.087	0.29	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Carbon disulfide	<0.039	mg/kg	0.039	0.12	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.044	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Chlorobenzene	<0.0097	mg/kg	0.0097	0.031	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Chloroethane	<0.029	mg/kg	0.029	0.12	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Chloromethane	<0.029	mg/kg	0.029	0.097	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.026	mg/kg	0.026	0.087	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Dibromochloromethane	<0.039	mg/kg	0.039	0.14	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C

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

CT LAB Sample#: 335841 Sample Description: KM-GP3(3-4) Sampled: 09/30/2019 1153

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.020	mg/kg	0.020	0.068	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Dichlorodifluoromethane	<0.048	mg/kg	0.048	0.16	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.059	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.034	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Hexachlorobutadiene	<0.022	mg/kg	0.022	0.076	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
m & p-Xylene	<0.024	mg/kg	0.024	0.079	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Methylene chloride	<0.058	mg/kg	0.058	0.20	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
n-Propylbenzene	<0.013	mg/kg	0.013	0.041	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Naphthalene	<0.015	mg/kg	0.015	0.047	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
o-Xylene	<0.0068	mg/kg	0.0068	0.021	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.034	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.050	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.036	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Tetrahydrofuran	<0.24	mg/kg	0.24	0.80	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.039	mg/kg	0.039	0.12	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.060	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Trichlorofluoromethane	<0.039	mg/kg	0.039	0.12	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C
Vinyl acetate	<0.39	mg/kg	0.39	1.3	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C

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

CT LAB Sample#: 335841 Sample Description: KM-GP3(3-4) Sampled: 09/30/2019 1153

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.018	mg/kg	0.018	0.062	1		10/08/2019 14:35	10/11/2019 18:54	RLD	EPA 8260C

CT LAB Sample#: 335842 Sample Description: KM-MW3(1-3) Sampled: 09/30/2019 1214

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**89.7**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**1.3**	mg/kg	0.74 *	2.6	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Barium	**23.2**	mg/kg	0.053	0.18	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Cadmium	**0.17**	mg/kg	0.052	0.17	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Chromium	**5.7**	mg/kg	1.5	5.1	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Lead	**36.8**	mg/kg	0.32	1.1	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Selenium	<1.8	mg/kg	1.8	5.9	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Silver	**0.36**	mg/kg	0.35 *	1.2	1		10/07/2019 07:28	10/10/2019 10:50	NAH	EPA 6010C
Mercury	**0.014**	mg/kg	0.00057	0.0019	1		10/07/2019 14:14	10/08/2019 13:59	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.056	mg/kg	0.056	0.19	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.020	mg/kg	0.020	0.066	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.037	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,1-Dichloroethane	<0.0065	mg/kg	0.0065	0.021	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,1-Dichloroethene	<0.020	mg/kg	0.020	0.066	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.084	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C

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

CT LAB Sample#: 335842 Sample Description: KM-MW3(1-3) Sampled: 09/30/2019 1214

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.037	mg/kg	0.037	0.13	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**0.0382**	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.065	mg/kg	0.065	0.22	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.069	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.080	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
2,2-Dichloropropane	<0.020	mg/kg	0.020	0.065	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
2-Butanone	<0.37	mg/kg	0.37	1.1	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
2-Chlorotoluene	<0.017	mg/kg	0.017	0.055	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
2-Hexanone	<0.19	mg/kg	0.19	0.65	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.57	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Acetone	<0.37	mg/kg	0.37	1.2	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.054	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Bromoform	<0.056	mg/kg	0.056	0.18	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C

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

CT LAB Sample#: 335842 Sample Description: KM-MW3(1-3) Sampled: 09/30/2019 1214

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.084	mg/kg	0.084	0.28	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Carbon disulfide	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Chlorobenzene	<0.0093	mg/kg	0.0093	0.030	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.093	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.084	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.045	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Dibromochloromethane	<0.037	mg/kg	0.037	0.13	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Dibromomethane	<0.020	mg/kg	0.020	0.065	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Dichlorodifluoromethane	<0.047	mg/kg	0.047	0.16	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.073	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Isopropylbenzene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
m & p-Xylene	**0.0371**	mg/kg	0.023 *	0.076	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Methylene chloride	<0.056	mg/kg	0.056	0.20	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.051	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.039	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Naphthalene	**0.0624**	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
o-Xylene	**0.0521**	mg/kg	0.0065	0.020	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.033	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C

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

CT LAB Sample#: 335842 Sample Description: KM-MW3(1-3) Sampled: 09/30/2019 1214

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.77	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Trichloroethene	<0.018	mg/kg	0.018	0.058	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Trichlorofluoromethane	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Vinyl acetate	<0.37	mg/kg	0.37	1.2	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C
Vinyl chloride	<0.018	mg/kg	0.018	0.060	1		10/08/2019 14:35	10/11/2019 19:23	RLD	EPA 8260C

CT LAB Sample#: 335843 Sample Description: KM-GP4(4-5) Sampled: 09/30/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**87.7**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**1.7**	mg/kg	0.71	2.5	1	*	10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C
Barium	**11.9**	mg/kg	0.051	0.17	1		10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C
Cadmium	**0.10**	mg/kg	0.050	0.17	1	*	10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C
Chromium	**10.5**	mg/kg	1.5	4.9	1		10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C
Lead	**5.4**	mg/kg	0.31	1.0	1		10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C
Selenium	<1.7	mg/kg	1.7	5.7	1		10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C

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

CT LAB Sample#: 335843 Sample Description: KM-GP4(4-5) Sampled: 09/30/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Silver	<0.34	mg/kg	0.34	1.1	1		10/07/2019 07:28	10/10/2019 11:33	NAH	EPA 6010C
Mercury	**0.015**	mg/kg	0.00061	0.0021	1		10/07/2019 14:14	10/08/2019 14:01	MDS	EPA 7471B
Organic Results										
1,1,1,2-Tetrachloroethane	<0.055	mg/kg	0.055	0.18	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.019	mg/kg	0.019	0.065	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.011	mg/kg	0.011	0.037	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,1-Dichloroethane	<0.0064	mg/kg	0.0064	0.021	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,1-Dichloroethene	<0.019	mg/kg	0.019	0.065	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,1-Dichloropropene	<0.025	mg/kg	0.025	0.083	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.010	mg/kg	0.010	0.034	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.037	mg/kg	0.037	0.13	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.010	mg/kg	0.010	0.032	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.064	mg/kg	0.064	0.22	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2-Dibromoethane	<0.010	mg/kg	0.010	0.035	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2-Dichloroethane	<0.020	mg/kg	0.020	0.068	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,2-Dichloropropane	<0.024	mg/kg	0.024	0.079	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.013	mg/kg	0.013	0.041	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,3-Dichloropropane	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
2,2-Dichloropropane	<0.019	mg/kg	0.019	0.064	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
2-Butanone	<0.37	mg/kg	0.37	1.1	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C

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

CT LAB Sample#: 335843 Sample Description: KM-GP4(4-5) Sampled: 09/30/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Chlorotoluene	<0.017	mg/kg	0.017	0.054	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
2-Hexanone	<0.18	mg/kg	0.18	0.64	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
4-Chlorotoluene	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.17	mg/kg	0.17	0.56	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Acetone	<0.37	mg/kg	0.37	1.2	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Benzene	<0.010	mg/kg	0.010	0.032	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Bromobenzene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Bromochloromethane	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Bromodichloromethane	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Bromoform	<0.055	mg/kg	0.055	0.17	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Bromomethane	<0.083	mg/kg	0.083	0.28	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Carbon disulfide	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Carbon tetrachloride	<0.013	mg/kg	0.013	0.041	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Chlorobenzene	<0.0092	mg/kg	0.0092	0.029	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Chloroethane	<0.028	mg/kg	0.028	0.11	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Chloroform	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Chloromethane	<0.028	mg/kg	0.028	0.092	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.025	mg/kg	0.025	0.083	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Dibromochloromethane	<0.037	mg/kg	0.037	0.13	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Dibromomethane	<0.019	mg/kg	0.019	0.064	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Dichlorodifluoromethane	<0.046	mg/kg	0.046	0.16	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Diisopropyl ether	<0.017	mg/kg	0.017	0.056	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Ethylbenzene	<0.010	mg/kg	0.010	0.032	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Hexachlorobutadiene	<0.021	mg/kg	0.021	0.072	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C

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

CT LAB Sample#: 335843 Sample Description: KM-GP4(4-5) Sampled: 09/30/2019 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Isopropylbenzene	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
m & p-Xylene	<0.023	mg/kg	0.023	0.076	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Methyl tert-butyl ether	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Methylene chloride	<0.055	mg/kg	0.055	0.19	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
n-Butylbenzene	<0.016	mg/kg	0.016	0.051	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
n-Propylbenzene	<0.012	mg/kg	0.012	0.039	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Naphthalene	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
o-Xylene	<0.0064	mg/kg	0.0064	0.020	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
p-Isopropyltoluene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
sec-Butylbenzene	<0.010	mg/kg	0.010	0.032	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Styrene	<0.015	mg/kg	0.015	0.048	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
tert-Butylbenzene	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Tetrachloroethene	<0.010	mg/kg	0.010	0.034	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Tetrahydrofuran	<0.23	mg/kg	0.23	0.76	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Toluene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Trichloroethene	<0.017	mg/kg	0.017	0.057	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Trichlorofluoromethane	<0.037	mg/kg	0.037	0.11	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Vinyl acetate	<0.37	mg/kg	0.37	1.2	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C
Vinyl chloride	<0.017	mg/kg	0.017	0.059	1		10/08/2019 14:35	10/11/2019 19:51	RLD	EPA 8260C

CT LAB Sample#: 335844 Sample Description: KM-MW5(2-4) Sampled: 09/30/2019 1346

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

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

CT LAB Sample#: 335844 Sample Description: KM-MW5(2-4) Sampled: 09/30/2019 1346

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**89.7**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**2.1**	mg/kg	0.77 *	2.7	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Barium	**27.5**	mg/kg	0.055	0.19	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Cadmium	**0.13**	mg/kg	0.054 *	0.18	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Chromium	**8.3**	mg/kg	1.6	5.3	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Lead	**35.3**	mg/kg	0.33	1.1	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Selenium	<1.9	mg/kg	1.9	6.1	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Silver	<0.36	mg/kg	0.36	1.2	1		10/07/2019 07:28	10/10/2019 11:40	NAH	EPA 6010C
Mercury	**0.077**	mg/kg	0.00061	0.0021	1		10/07/2019 14:14	10/08/2019 14:03	MDS	EPA 7471B

CT LAB Sample#: 335845 Sample Description: KM-MW2 Sampled: 10/01/2019 1227

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**16.1**	ug/L	0.70	2.5	1			10/09/2019 12:29	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/09/2019 12:29	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/09/2019 12:29	NAH	EPA 6010C
Dissolved Lead	**2.3**	ug/L	1.3 *	4.2	1			10/09/2019 12:29	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/09/2019 12:29	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/09/2019 12:29	NAH	EPA 6010C
Dissolved Arsenic	**1.3**	ug/L	0.60 *	2.1	1		10/07/2019 09:15	10/08/2019 13:55	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		10/08/2019 11:30	10/09/2019 11:15	MDS	EPA 7470A

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

CT LAB Sample#: 335845 Sample Description: KM-MW2 Sampled: 10/01/2019 1227

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 14:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			10/09/2019 14:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			10/09/2019 14:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			10/09/2019 14:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			10/09/2019 14:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			10/09/2019 14:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			10/09/2019 14:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			10/09/2019 14:43	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			10/09/2019 14:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 14:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			10/09/2019 14:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			10/09/2019 14:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			10/09/2019 14:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			10/09/2019 14:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			10/09/2019 14:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			10/09/2019 14:43	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			10/09/2019 14:43	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			10/09/2019 14:43	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			10/09/2019 14:43	RLD	EPA 8260C

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

CT LAB Sample#: 335845 Sample Description: KM-MW2 Sampled: 10/01/2019 1227

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			10/09/2019 14:43	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			10/09/2019 14:43	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			10/09/2019 14:43	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			10/09/2019 14:43	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 14:43	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			10/09/2019 14:43	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			10/09/2019 14:43	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			10/09/2019 14:43	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			10/09/2019 14:43	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/09/2019 14:43	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			10/09/2019 14:43	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			10/09/2019 14:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			10/09/2019 14:43	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			10/09/2019 14:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			10/09/2019 14:43	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			10/09/2019 14:43	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			10/09/2019 14:43	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			10/09/2019 14:43	RLD	EPA 8260C

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

CT LAB Sample#: 335845 Sample Description: KM-MW2 Sampled: 10/01/2019 1227

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			10/09/2019 14:43	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			10/09/2019 14:43	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			10/09/2019 14:43	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			10/09/2019 14:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 14:43	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 14:43	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			10/09/2019 14:43	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 14:43	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			10/09/2019 14:43	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/09/2019 14:43	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			10/09/2019 14:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			10/09/2019 14:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			10/09/2019 14:43	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1	Q		10/09/2019 14:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 14:43	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			10/09/2019 14:43	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			10/09/2019 14:43	RLD	EPA 8260C

CT LAB Sample#: 335846 Sample Description: KM-MW3 Sampled: 10/01/2019 1304

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Metals Results

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

CT LAB Sample#: 335846 Sample Description: KM-MW3 Sampled: 10/01/2019 1304

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Barium	**136**	ug/L	0.70		2.5	1			10/09/2019 12:36	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40		1.4	1			10/09/2019 12:36	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0		8.0	1			10/09/2019 12:36	NAH	EPA 6010C
Dissolved Lead	**2.0**	ug/L	1.3	*	4.2	1			10/09/2019 12:36	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0		25	1			10/09/2019 12:36	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5		8.4	1			10/09/2019 12:36	NAH	EPA 6010C
Dissolved Arsenic	**1.5**	ug/L	0.60	*	2.1	1		10/07/2019 09:15	10/08/2019 14:01	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020		0.066	1		10/08/2019 11:30	10/09/2019 11:17	MDS	EPA 7470A
Organic Results											
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40		1.4	1			10/09/2019 15:12	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29		0.98	1			10/09/2019 15:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30		1.1	1			10/09/2019 15:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30		0.99	1			10/09/2019 15:12	RLD	EPA 8260C
1,1-Dichloroethane	**0.55**	ug/L	0.30	*	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40		1.2	1			10/09/2019 15:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30		1.0	1			10/09/2019 15:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23		0.77	1			10/09/2019 15:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30		1.1	1			10/09/2019 15:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28		0.93	1			10/09/2019 15:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29		0.96	1			10/09/2019 15:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25		0.82	1			10/09/2019 15:12	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30		1.0	1			10/09/2019 15:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			10/09/2019 15:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24		0.81	1			10/09/2019 15:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18		0.61	1			10/09/2019 15:12	RLD	EPA 8260C

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

CT LAB Sample#: 335846 Sample Description: KM-MW3 Sampled: 10/01/2019 1304

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			10/09/2019 15:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			10/09/2019 15:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			10/09/2019 15:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			10/09/2019 15:12	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			10/09/2019 15:12	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			10/09/2019 15:12	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			10/09/2019 15:12	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			10/09/2019 15:12	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			10/09/2019 15:12	RLD	EPA 8260C
Benzene	**4.8**	ug/L	0.40	1.4	1			10/09/2019 15:12	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:12	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 15:12	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			10/09/2019 15:12	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:12	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			10/09/2019 15:12	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			10/09/2019 15:12	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/09/2019 15:12	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			10/09/2019 15:12	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			10/09/2019 15:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			10/09/2019 15:12	RLD	EPA 8260C

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

CT LAB Sample#: 335846 Sample Description: KM-MW3 Sampled: 10/01/2019 1304

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			10/09/2019 15:12	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:12	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:12	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:12	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			10/09/2019 15:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			10/09/2019 15:12	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			10/09/2019 15:12	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			10/09/2019 15:12	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			10/09/2019 15:12	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:12	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:12	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			10/09/2019 15:12	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:12	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			10/09/2019 15:12	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/09/2019 15:12	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			10/09/2019 15:12	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			10/09/2019 15:12	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			10/09/2019 15:12	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1	Q		10/09/2019 15:12	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 15:12	RLD	EPA 8260C

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

CT LAB Sample#: 335846 Sample Description: KM-MW3 Sampled: 10/01/2019 1304

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<5.0	ug/L	5.0	17	1			10/09/2019 15:12	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			10/09/2019 15:12	RLD	EPA 8260C

CT LAB Sample#: 335847 Sample Description: KM-MW5 Sampled: 10/01/2019 1357

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**105**	ug/L	0.70	2.5	1			10/09/2019 12:43	NAH	EPA 6010C
Dissolved Cadmium	**0.84**	ug/L	0.40 *	1.4	1			10/09/2019 12:43	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/09/2019 12:43	NAH	EPA 6010C
Dissolved Lead	**1.4**	ug/L	1.3 *	4.2	1			10/09/2019 12:43	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/09/2019 12:43	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/09/2019 12:43	NAH	EPA 6010C
Dissolved Arsenic	**9.1**	ug/L	0.60	2.1	1		10/07/2019 09:15	10/08/2019 14:07	MDS	EPA 7010
Dissolved Mercury	**0.035**	ug/L	0.020 *	0.066	1		10/08/2019 11:30	10/09/2019 11:19	MDS	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 15:42	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			10/09/2019 15:42	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			10/09/2019 15:42	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:42	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			10/09/2019 15:42	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			10/09/2019 15:42	RLD	EPA 8260C

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

CT LAB Sample#: 335847 Sample Description: KM-MW5 Sampled: 10/01/2019 1357

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			10/09/2019 15:42	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			10/09/2019 15:42	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			10/09/2019 15:42	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 15:42	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			10/09/2019 15:42	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			10/09/2019 15:42	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			10/09/2019 15:42	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			10/09/2019 15:42	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			10/09/2019 15:42	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			10/09/2019 15:42	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			10/09/2019 15:42	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			10/09/2019 15:42	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			10/09/2019 15:42	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			10/09/2019 15:42	RLD	EPA 8260C
Acetone	**23**	ug/L	4.0	12	1			10/09/2019 15:42	RLD	EPA 8260C
Benzene	**0.64**	ug/L	0.40 *	1.4	1			10/09/2019 15:42	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:42	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 15:42	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			10/09/2019 15:42	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:42	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			10/09/2019 15:42	RLD	EPA 8260C

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

CT LAB Sample#: 335847 Sample Description: KM-MW5 Sampled: 10/01/2019 1357

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			10/09/2019 15:42	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/09/2019 15:42	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			10/09/2019 15:42	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			10/09/2019 15:42	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			10/09/2019 15:42	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			10/09/2019 15:42	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:42	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			10/09/2019 15:42	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:42	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			10/09/2019 15:42	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			10/09/2019 15:42	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			10/09/2019 15:42	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			10/09/2019 15:42	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			10/09/2019 15:42	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 15:42	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:42	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			10/09/2019 15:42	RLD	EPA 8260C

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

CT LAB Sample#: 335847 Sample Description: KM-MW5 Sampled: 10/01/2019 1357

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 15:42	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			10/09/2019 15:42	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/09/2019 15:42	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			10/09/2019 15:42	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			10/09/2019 15:42	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			10/09/2019 15:42	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1	Q		10/09/2019 15:42	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 15:42	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			10/09/2019 15:42	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			10/09/2019 15:42	RLD	EPA 8260C

CT LAB Sample#: 335848 Sample Description: KM-MW1 Sampled: 10/01/2019 1427

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**92.9**	ug/L	0.70	2.5	1			10/09/2019 12:49	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			10/09/2019 12:49	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			10/09/2019 12:49	NAH	EPA 6010C
Dissolved Lead	**4.1**	ug/L	1.3 *	4.2	1			10/09/2019 12:49	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			10/09/2019 12:49	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			10/09/2019 12:49	NAH	EPA 6010C
Dissolved Arsenic	**2.0**	ug/L	0.60 *	2.1	1		10/07/2019 09:15	10/08/2019 14:13	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		10/08/2019 11:30	10/09/2019 11:21	MDS	EPA 7470A
Organic Results										

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

CT LAB Sample#: 335848 Sample Description: KM-MW1 Sampled: 10/01/2019 1427

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40		1.4	1			10/09/2019 16:12	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29		0.98	1			10/09/2019 16:12	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30		1.1	1			10/09/2019 16:12	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30		0.99	1			10/09/2019 16:12	RLD	EPA 8260C
1,1-Dichloroethane	**0.32**	ug/L	0.30	*	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40		1.2	1			10/09/2019 16:12	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30		1.0	1			10/09/2019 16:12	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23		0.77	1			10/09/2019 16:12	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30		1.1	1			10/09/2019 16:12	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28		0.93	1			10/09/2019 16:12	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29		0.96	1			10/09/2019 16:12	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25		0.82	1			10/09/2019 16:12	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30		1.0	1			10/09/2019 16:12	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			10/09/2019 16:12	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24		0.81	1			10/09/2019 16:12	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18		0.61	1			10/09/2019 16:12	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27		0.89	1			10/09/2019 16:12	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26		0.87	1			10/09/2019 16:12	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17		0.57	1			10/09/2019 16:12	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30		1.1	1			10/09/2019 16:12	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30		0.99	1			10/09/2019 16:12	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6		8.8	1			10/09/2019 16:12	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25		0.84	1			10/09/2019 16:12	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0		10	1			10/09/2019 16:12	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30		1.1	1			10/09/2019 16:12	RLD	EPA 8260C

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

CT LAB Sample#: 335848 Sample Description: KM-MW1 Sampled: 10/01/2019 1427

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			10/09/2019 16:12	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			10/09/2019 16:12	RLD	EPA 8260C
Benzene	**3.5**	ug/L	0.40	1.4	1			10/09/2019 16:12	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:12	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 16:12	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			10/09/2019 16:12	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:12	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			10/09/2019 16:12	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			10/09/2019 16:12	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/09/2019 16:12	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			10/09/2019 16:12	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			10/09/2019 16:12	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			10/09/2019 16:12	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			10/09/2019 16:12	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:12	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:12	RLD	EPA 8260C
Ethylbenzene	**0.72**	ug/L	0.30 *	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:12	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			10/09/2019 16:12	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C

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

CT LAB Sample#: 335848 Sample Description: KM-MW1 Sampled: 10/01/2019 1427

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methylene chloride	<0.40	ug/L	0.40	1.5	1			10/09/2019 16:12	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			10/09/2019 16:12	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
Naphthalene	**0.38**	ug/L	0.30 *	1.0	1			10/09/2019 16:12	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			10/09/2019 16:12	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:12	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:12	RLD	EPA 8260C
Styrene	**0.45**	ug/L	0.29 *	0.95	1			10/09/2019 16:12	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:12	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			10/09/2019 16:12	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/09/2019 16:12	RLD	EPA 8260C
Toluene	**0.79**	ug/L	0.21	0.69	1			10/09/2019 16:12	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			10/09/2019 16:12	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			10/09/2019 16:12	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1	Q		10/09/2019 16:12	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 16:12	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			10/09/2019 16:12	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			10/09/2019 16:12	RLD	EPA 8260C

CT LAB Sample#: 335849 Sample Description: TRIP BLANK Sampled: 09/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 11:45	RLD	EPA 8260C

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

CT LAB Sample#: 335849 Sample Description: TRIP BLANK Sampled: 09/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			10/09/2019 11:45	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			10/09/2019 11:45	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			10/09/2019 11:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			10/09/2019 11:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			10/09/2019 11:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			10/09/2019 11:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			10/09/2019 11:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			10/09/2019 11:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 11:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			10/09/2019 11:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			10/09/2019 11:45	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			10/09/2019 11:45	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			10/09/2019 11:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			10/09/2019 11:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			10/09/2019 11:45	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			10/09/2019 11:45	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			10/09/2019 11:45	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			10/09/2019 11:45	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			10/09/2019 11:45	RLD	EPA 8260C

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

CT LAB Sample#: 335849 Sample Description: TRIP BLANK Sampled: 09/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	**7.9**	ug/L	4.0 *	12	1			10/09/2019 11:45	RLD	EPA 8260C
Benzene	<0.40	ug/L	0.40	1.4	1			10/09/2019 11:45	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			10/09/2019 11:45	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 11:45	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			10/09/2019 11:45	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			10/09/2019 11:45	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			10/09/2019 11:45	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			10/09/2019 11:45	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/09/2019 11:45	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			10/09/2019 11:45	RLD	EPA 8260C
Chloromethane	<0.60	ug/L	0.60	2.1	1			10/09/2019 11:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			10/09/2019 11:45	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			10/09/2019 11:45	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			10/09/2019 11:45	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			10/09/2019 11:45	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			10/09/2019 11:45	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			10/09/2019 11:45	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
Methylene chloride	**0.84**	ug/L	0.40 *	1.5	1			10/09/2019 11:45	RLD	EPA 8260C

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

CT LAB Sample#: 335849 Sample Description: TRIP BLANK Sampled: 09/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			10/09/2019 11:45	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
Naphthalene	<0.30	ug/L	0.30	1.0	1			10/09/2019 11:45	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			10/09/2019 11:45	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 11:45	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 11:45	RLD	EPA 8260C
Styrene	<0.29	ug/L	0.29	0.95	1			10/09/2019 11:45	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 11:45	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			10/09/2019 11:45	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/09/2019 11:45	RLD	EPA 8260C
Toluene	<0.21	ug/L	0.21	0.69	1			10/09/2019 11:45	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			10/09/2019 11:45	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			10/09/2019 11:45	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1	Q		10/09/2019 11:45	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 11:45	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			10/09/2019 11:45	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			10/09/2019 11:45	RLD	EPA 8260C

CT LAB Sample#: 335854 Sample Description: TRIP BLANK Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.060	mg/kg	0.060	0.20	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.016	mg/kg	0.016	0.052	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C

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

CT LAB Sample#: 335854 Sample Description: TRIP BLANK Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.021	0.071	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.012	mg/kg	0.012	0.040	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,1-Dichloroethane	<0.0070	mg/kg	0.0070	0.023	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,1-Dichloroethene	<0.021	mg/kg	0.021	0.071	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,1-Dichloropropene	<0.027	mg/kg	0.027	0.090	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.011	mg/kg	0.011	0.037	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.040	mg/kg	0.040	0.14	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.017	mg/kg	0.017	0.058	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.011	mg/kg	0.011	0.035	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.070	mg/kg	0.070	0.24	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2-Dibromoethane	<0.011	mg/kg	0.011	0.038	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2-Dichloroethane	<0.022	mg/kg	0.022	0.074	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,2-Dichloropropane	<0.026	mg/kg	0.026	0.086	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,3-Dichloropropane	<0.014	mg/kg	0.014	0.048	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.015	mg/kg	0.015	0.051	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
2,2-Dichloropropane	<0.021	mg/kg	0.021	0.070	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
2-Butanone	<0.40	mg/kg	0.40	1.2	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
2-Chlorotoluene	<0.018	mg/kg	0.018	0.059	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
2-Hexanone	<0.20	mg/kg	0.20	0.70	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
4-Chlorotoluene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.18	mg/kg	0.18	0.61	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Acetone	<0.40	mg/kg	0.40	1.3	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C

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

CT LAB Sample#: 335854 Sample Description: TRIP BLANK Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzene	<0.011	mg/kg	0.011	0.035	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Bromobenzene	<0.016	mg/kg	0.016	0.052	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Bromochloromethane	<0.017	mg/kg	0.017	0.058	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Bromodichloromethane	<0.014	mg/kg	0.014	0.046	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Bromoform	<0.060	mg/kg	0.060	0.19	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Bromomethane	<0.090	mg/kg	0.090	0.30	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Carbon disulfide	<0.040	mg/kg	0.040	0.12	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Carbon tetrachloride	<0.014	mg/kg	0.014	0.045	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Chlorobenzene	<0.010	mg/kg	0.010	0.032	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Chloroethane	<0.030	mg/kg	0.030	0.12	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Chloroform	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Chloromethane	<0.030	mg/kg	0.030	0.10	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.027	mg/kg	0.027	0.090	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.014	mg/kg	0.014	0.048	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Dibromochloromethane	<0.040	mg/kg	0.040	0.14	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Dibromomethane	<0.021	mg/kg	0.021	0.070	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Dichlorodifluoromethane	<0.050	mg/kg	0.050	0.17	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Diisopropyl ether	<0.018	mg/kg	0.018	0.061	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Ethylbenzene	<0.011	mg/kg	0.011	0.035	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Hexachlorobutadiene	<0.023	mg/kg	0.023	0.078	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Isopropylbenzene	<0.013	mg/kg	0.013	0.043	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
m & p-Xylene	<0.025	mg/kg	0.025	0.082	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Methyl tert-butyl ether	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Methylene chloride	<0.060	mg/kg	0.060	0.21	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
n-Butylbenzene	<0.017	mg/kg	0.017	0.055	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C

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

CT LAB Sample#: 335854 Sample Description: TRIP BLANK Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Propylbenzene	<0.013	mg/kg	0.013	0.042	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Naphthalene	<0.015	mg/kg	0.015	0.049	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
o-Xylene	<0.0070	mg/kg	0.0070	0.022	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
p-Isopropyltoluene	<0.013	mg/kg	0.013	0.044	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
sec-Butylbenzene	<0.011	mg/kg	0.011	0.035	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Styrene	<0.016	mg/kg	0.016	0.052	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
tert-Butylbenzene	<0.012	mg/kg	0.012	0.041	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Tetrachloroethene	<0.011	mg/kg	0.011	0.037	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Tetrahydrofuran	<0.25	mg/kg	0.25	0.83	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Toluene	<0.016	mg/kg	0.016	0.053	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.047	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.040	mg/kg	0.040	0.12	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Trichloroethene	<0.019	mg/kg	0.019	0.062	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Trichlorofluoromethane	<0.040	mg/kg	0.040	0.12	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Vinyl acetate	<0.40	mg/kg	0.40	1.3	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C
Vinyl chloride	<0.019	mg/kg	0.019	0.064	1		10/08/2019 14:35	10/11/2019 12:45	RLD	EPA 8260C

CT LAB Sample#: 335861 Sample Description: DUPLICATE Sampled: 09/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**74.4**	%	0.1	0.1	1			10/09/2019 15:18	BMM	EPA 8000C
Metals Results										
Arsenic	**4.6**	mg/kg	0.94	3.4	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C

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

CT LAB Sample#: 335861 Sample Description: DUPLICATE Sampled: 09/30/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Barium	**882**	mg/kg	0.067	0.23	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C
Cadmium	**1.7**	mg/kg	0.066	0.22	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C
Chromium	**9.0**	mg/kg	1.9	6.5	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C
Lead	**652**	mg/kg	0.40	1.4	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C
Selenium	<2.3	mg/kg	2.3	7.5	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C
Silver	**2.1**	mg/kg	0.44	1.5	1		10/08/2019 07:51	10/11/2019 10:38	NAH	EPA 6010C
Mercury	**0.13**	mg/kg	0.00070	0.0024	1		10/07/2019 14:14	10/08/2019 14:05	MDS	EPA 7471B

CT LAB Sample#: 335866 Sample Description: DUPLICATE Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 16:41	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			10/09/2019 16:41	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.30	ug/L	0.30	0.99	1			10/09/2019 16:41	RLD	EPA 8260C
1,1-Dichloroethane	**0.31**	ug/L	0.30 *	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:41	RLD	EPA 8260C
1,1-Dichloropropene	<0.30	ug/L	0.30	1.0	1			10/09/2019 16:41	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.23	ug/L	0.23	0.77	1			10/09/2019 16:41	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			10/09/2019 16:41	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.29	ug/L	0.29	0.96	1			10/09/2019 16:41	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.25	ug/L	0.25	0.82	1			10/09/2019 16:41	RLD	EPA 8260C
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 16:41	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 Sample#: 335866 Sample Description: DUPLICATE Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
1,2-Dichloroethane	<0.24	ug/L	0.24	0.81	1			10/09/2019 16:41	RLD	EPA 8260C
1,2-Dichloropropane	<0.18	ug/L	0.18	0.61	1			10/09/2019 16:41	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.27	ug/L	0.27	0.89	1			10/09/2019 16:41	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.26	ug/L	0.26	0.87	1			10/09/2019 16:41	RLD	EPA 8260C
1,3-Dichloropropane	<0.17	ug/L	0.17	0.57	1			10/09/2019 16:41	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
2,2-Dichloropropane	<0.30	ug/L	0.30	0.99	1			10/09/2019 16:41	RLD	EPA 8260C
2-Butanone	<2.6	ug/L	2.6	8.8	1			10/09/2019 16:41	RLD	EPA 8260C
2-Chlorotoluene	<0.25	ug/L	0.25	0.84	1			10/09/2019 16:41	RLD	EPA 8260C
2-Hexanone	<3.0	ug/L	3.0	10	1			10/09/2019 16:41	RLD	EPA 8260C
4-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
4-Methyl-2-pentanone	<2.2	ug/L	2.2	7.4	1			10/09/2019 16:41	RLD	EPA 8260C
Acetone	<4.0	ug/L	4.0	12	1			10/09/2019 16:41	RLD	EPA 8260C
Benzene	**3.3**	ug/L	0.40	1.4	1			10/09/2019 16:41	RLD	EPA 8260C
Bromobenzene	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:41	RLD	EPA 8260C
Bromochloromethane	<0.30	ug/L	0.30	1.0	1			10/09/2019 16:41	RLD	EPA 8260C
Bromodichloromethane	<0.29	ug/L	0.29	0.95	1			10/09/2019 16:41	RLD	EPA 8260C
Bromoform	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:41	RLD	EPA 8260C
Bromomethane	<0.90	ug/L	0.90	3.1	1			10/09/2019 16:41	RLD	EPA 8260C
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			10/09/2019 16:41	RLD	EPA 8260C
Carbon tetrachloride	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
Chlorobenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/09/2019 16:41	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	1.2	1			10/09/2019 16:41	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 Sample#: 335866 Sample Description: DUPLICATE Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.60	ug/L	0.60	2.1	1			10/09/2019 16:41	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.16	ug/L	0.16	0.54	1			10/09/2019 16:41	RLD	EPA 8260C
Dibromochloromethane	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
Dibromomethane	<0.22	ug/L	0.22	0.73	1			10/09/2019 16:41	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:41	RLD	EPA 8260C
Diisopropyl ether	<0.40	ug/L	0.40	1.3	1			10/09/2019 16:41	RLD	EPA 8260C
Ethylbenzene	**0.70**	ug/L	0.30 *	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:41	RLD	EPA 8260C
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
m & p-Xylene	<0.70	ug/L	0.70	2.4	1			10/09/2019 16:41	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
Methylene chloride	<0.40	ug/L	0.40	1.5	1			10/09/2019 16:41	RLD	EPA 8260C
n-Butylbenzene	<0.29	ug/L	0.29	0.98	1			10/09/2019 16:41	RLD	EPA 8260C
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
Naphthalene	**0.31**	ug/L	0.30 *	1.0	1			10/09/2019 16:41	RLD	EPA 8260C
o-Xylene	<0.26	ug/L	0.26	0.88	1			10/09/2019 16:41	RLD	EPA 8260C
p-Isopropyltoluene	<0.30	ug/L	0.30	1.1	1			10/09/2019 16:41	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:41	RLD	EPA 8260C
Styrene	**0.38**	ug/L	0.29 *	0.95	1			10/09/2019 16:41	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/09/2019 16:41	RLD	EPA 8260C
Tetrachloroethene	<0.27	ug/L	0.27	0.89	1			10/09/2019 16:41	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/09/2019 16:41	RLD	EPA 8260C
Toluene	**0.83**	ug/L	0.21	0.69	1			10/09/2019 16:41	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.2	1			10/09/2019 16:41	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 Sample#: 335866 Sample Description: DUPLICATE Sampled: 10/01/2019

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.23	ug/L	0.23	0.77	1			10/09/2019 16:41	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.1	1	Q		10/09/2019 16:41	RLD	EPA 8260C
Trichlorofluoromethane	<0.40	ug/L	0.40	1.4	1			10/09/2019 16:41	RLD	EPA 8260C
Vinyl acetate	<5.0	ug/L	5.0	17	1			10/09/2019 16:41	RLD	EPA 8260C
Vinyl chloride	<0.14	ug/L	0.14	0.46	1			10/09/2019 16:41	RLD	EPA 8260C

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also 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.

Submitted by: Eric T. Korthals
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
Maryland Lab ID# 344
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20190002

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QC SUMMARY REPORT

AYRES ASSOCIATES **Project Name: KNITTING MILL**

SDG #: 0 **Folder #: 148568** **Project #: 51-0318.10**

Lab Control Spike Soil

Analytical Run #:	165150	Analysis Date:	10/10/2019	Prep Batch #:	73735	Matrix:	SOLID
CTLab #:	336334	Analysis Time:	08:09	Prep Date/Time:	10/07/2019 07:28	Method:	SW6010
Parent Sample #:		Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	391	mg/kg			400	98	80 --- 109		
Barium	393	mg/kg			400	98	80 --- 120		
Cadmium	10.3	mg/kg			10.0	103	80 --- 120		
Chromium	40.7	mg/kg			40.0	102	83 --- 116		
Lead	93.7	mg/kg			100	94	80 --- 120		
Selenium	372	mg/kg			400	93	71 --- 106		
Silver	9.5	mg/kg			10.0	95	80 --- 120		

Method Blank Soil

Analytical Run #:	165150	Analysis Date:	10/10/2019	Prep Batch #:	73735	Matrix:	SOLID
CTLab #:	336333	Analysis Time:	08:14	Prep Date/Time:	10/07/2019 07:28	Method:	SW6010
Parent Sample #:		Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	1.1	mg/kg		U	0		1.1		
Barium	0.12	mg/kg		U	0		0.12		
Cadmium	0.035	mg/kg		U	0		0.035		
Chromium	0.19	mg/kg		U	0		0.19		
Lead	0.45	mg/kg		U	0		0.45		
Selenium	1.2	mg/kg		U	0		1.2		
Silver	0.17	mg/kg		U	0		0.17		

Matrix Spike Duplicate Soil

Analytical Run #:	165150	Analysis Date:	10/10/2019	Prep Batch #:	73735	Matrix:	SOIL
CTLab #:	337321	Analysis Time:	11:03	Prep Date/Time:	10/07/2019 07:28	Method:	SW6010
Parent Sample #:	337320	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	404	mg/kg	1.3		421	96	75 --- 114	3	20
Barium	449	mg/kg	23.2		421	101	75 --- 122	4	20
Cadmium	10.9	mg/kg	0.17		10.5	102	75 --- 118	3	20
Chromium	48.2	mg/kg	5.7		42.1	101	75 --- 125	2	20
Lead	139	mg/kg	36.8		105	97	75 --- 125	2	20
Selenium	367	mg/kg	BDL		421	87	75 --- 113	3	20
Silver	9.5	mg/kg	0.36		10.5	87	75 --- 116	4	20

Matrix Spike Soil

Analytical Run #:	165150	Analysis Date:	10/10/2019	Prep Batch #:	73735	Matrix:	SOIL
CTLab #:	337320	Analysis Time:	10:57	Prep Date/Time:	10/07/2019 07:28	Method:	SW6010
Parent Sample #:	335842	Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	393	mg/kg	1.3		421	93	75 --- 114		
Barium	433	mg/kg	23.2		421	97	75 --- 122		
Cadmium	10.6	mg/kg	0.17		10.5	99	75 --- 118		
Chromium	47.0	mg/kg	5.7		42.1	98	75 --- 125		
Lead	136	mg/kg	36.8		105	94	75 --- 125		
Selenium	358	mg/kg	BDL		421	85	75 --- 113		
Silver	9.1	mg/kg	0.36		10.5	83	75 --- 116		

Lab Control Spike Water

Analytical Run #:	165191	Analysis Date:	10/08/2019	Prep Batch #:	73755	Matrix:	LIQUID
CTLab #:	336717	Analysis Time:	12:37	Prep Date/Time:	10/07/2019 09:15	Method:	SW7010
Parent Sample #:		Analyst:	MDS	Prep Analyst:	MDS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	14.40	ug/L			15.00	96	85 --- 115		

Lab Control Spike Water

Analytical Run #:	165191	Analysis Date:	10/08/2019	Prep Batch #:	73755	Matrix:	LIQUID
CTLab #:	336717	Analysis Time:	12:37	Prep Date/Time:	10/07/2019 09:15	Method:	SW7010
Parent Sample #:		Analyst:	MDS	Prep Analyst:	MDS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	14.40	ug/L			15.00	96	85 --- 115		

Method Blank Water

Analytical Run #:	165191	Analysis Date:	10/08/2019	Prep Batch #:	73755	Matrix:	LIQUID
CTLab #:	336716	Analysis Time:	12:43	Prep Date/Time:	10/07/2019 09:15	Method:	SW7010
Parent Sample #:		Analyst:	MDS	Prep Analyst:	MDS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	0.6	ug/L		U	0		0.6		

Method Blank Water

Analytical Run #:	165191	Analysis Date:	10/08/2019	Prep Batch #:	73755	Matrix:	LIQUID
CTLab #:	336716	Analysis Time:	12:43	Prep Date/Time:	10/07/2019 09:15	Method:	SW7010
Parent Sample #:		Analyst:	MDS	Prep Analyst:	MDS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	0.6	ug/L		U	0		0.6		

Lab Control Spike Water

Analytical Run #:	165192	Analysis Date:	10/08/2019	Prep Batch #:	73755	Matrix:	LIQUID
CTLab #:	336717	Analysis Time:	12:37	Prep Date/Time:	10/07/2019 09:15	Method:	
Parent Sample #:		Analyst:	MDS	Prep Analyst:	MDS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	14.40	ug/L			15.00	96	85 --- 115		

Method Blank Water

Analytical Run #:	165192	Analysis Date:	10/08/2019	Prep Batch #:	73755	Matrix:	LIQUID
CTLab #:	336716	Analysis Time:	12:43	Prep Date/Time:	10/07/2019 09:15	Method:	
Parent Sample #:		Analyst:	MDS	Prep Analyst:	MDS		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	0.6	ug/L		U	0		0.6		

Lab Control Spike Soil

Analytical Run #:	165213	Analysis Date:	10/11/2019	Prep Batch #:	73801	Matrix:	SOLID
CTLab #:	337215	Analysis Time:	10:01	Prep Date/Time:	10/08/2019 07:51	Method:	SW6010
Parent Sample #:		Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	97.0	mg/kg			100	97	80 --- 109		
Barium	105	mg/kg			100	105	80 --- 120		
Cadmium	2.8	mg/kg			2.5	112	80 --- 120		
Chromium	9.3	mg/kg			10.0	93	83 --- 116		
Lead	22.9	mg/kg			25.0	92	80 --- 120		
Selenium	95.0	mg/kg			100	95	71 --- 106		
Silver	2.1	mg/kg			2.5	84	80 --- 120		

Method Blank Soil

Analytical Run #:	165213	Analysis Date:	10/11/2019	Prep Batch #:	73801	Matrix:	SOLID
CTLab #:	337214	Analysis Time:	10:25	Prep Date/Time:	10/08/2019 07:51	Method:	SW6010
Parent Sample #:		Analyst:	NAH	Prep Analyst:	NAH		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Arsenic	1.1	mg/kg		U	0		1.1		
Barium	0.12	mg/kg		U	0		0.12		
Cadmium	0.035	mg/kg		U	0		0.035		
Chromium	0.19	mg/kg		U	0		0.19		
Lead	0.45	mg/kg		U	0		0.45		
Selenium	1.2	mg/kg		U	0		1.2		
Silver	0.17	mg/kg		U	0		0.17		

Lab Control Spike Soil

Analytical Run #:	165227	Analysis Date:	10/08/2019	Prep Batch #:	73742	Matrix:	SOLID
CTLab #:	336450	Analysis Time:	09:03	Prep Date/Time:	10/07/2019 14:14	Method:	SW7471B
Parent Sample #:		Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Mercury	0.082	mg/kg			0.083	99	80 --- 120		20

Method Blank Soil

Analytical Run #:	165227	Analysis Date:	10/08/2019	Prep Batch #:	73742	Matrix:	SOLID
CTLab #:	336449	Analysis Time:	09:27	Prep Date/Time:	10/07/2019 14:14	Method:	SW7471B
Parent Sample #:		Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Mercury	0.0005	mg/kg		U	0		.0005		

Matrix Spike Duplicate Soil

Analytical Run #:	165227	Analysis Date:	10/08/2019	Prep Batch #:	73742	Matrix:	SOIL
CTLab #:	336454	Analysis Time:	14:25	Prep Date/Time:	10/07/2019 14:14	Method:	SW7471B
Parent Sample #:	336453	Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Mercury	0.10	mg/kg	0.013		0.085	102	51 --- 133	14	28

Matrix Spike Soil

Analytical Run #:	165227	Analysis Date:	10/08/2019	Prep Batch #:	73742	Matrix:	SOIL
CTLab #:	336453	Analysis Time:	14:22	Prep Date/Time:	10/07/2019 14:14	Method:	SW7471B
Parent Sample #:	335842	Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Mercury	0.12	mg/kg	0.013		0.085	126	51 --- 133		

Lab Control Spike Water

Analytical Run #:	165288	Analysis Date:	10/09/2019	Prep Batch #:	73750	Matrix:	LIQUID
CTLab #:	336485	Analysis Time:	10:00	Prep Date/Time:	10/08/2019 11:30	Method:	SW7470A
Parent Sample #:		Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Mercury	1.74				2.00	87	---		

Lab Control Spike Water

Analytical Run #:	165288	Analysis Date:	10/09/2019	Prep Batch #:	73750	Matrix:	LIQUID
CTLab #:	336485	Analysis Time:	10:00	Prep Date/Time:	10/08/2019 11:30	Method:	SW7470A
Parent Sample #:		Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Mercury	1.74				2.00	87	---		

Method Blank Water

Analytical Run #:	165288	Analysis Date:	10/09/2019	Prep Batch #:	73750	Matrix:	LIQUID
CTLab #:	336484	Analysis Time:	10:09	Prep Date/Time:	10/08/2019 11:30	Method:	SW7470A
Parent Sample #:		Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Mercury	0.020	ug/L		U	0		0.020		

Method Blank Water

Analytical Run #:	165288	Analysis Date:	10/09/2019	Prep Batch #:	73750	Matrix:	LIQUID
CTLab #:	336484	Analysis Time:	10:09	Prep Date/Time:	10/08/2019 11:30	Method:	SW7470A
Parent Sample #:		Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Mercury	0.020	ug/L		U	0		0.020		

Matrix Spike Duplicate Water

Analytical Run #:	165288	Analysis Date:	10/09/2019	Prep Batch #:	73750	Matrix:	GROUND WATER
CTLab #:	336489	Analysis Time:	11:47	Prep Date/Time:	10/08/2019 11:30	Method:	SW7470A
Parent Sample #:	336488	Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Mercury	1.8	ug/L	BDL		2.0	90	33 --- 185	3	16

Matrix Spike Water

Analytical Run #:	165288	Analysis Date:	10/09/2019	Prep Batch #:	73750	Matrix:	GROUND WATER
CTLab #:	336488	Analysis Time:	11:45	Prep Date/Time:	10/08/2019 11:30	Method:	SW7470A
Parent Sample #:	335846	Analyst:	MDS	Prep Analyst:	BMM		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
Total Mercury	1.9	ug/L	BDL		2.0	95	33 --- 185		

Lab Control Spike Water

Analytical Run #:	165133	Analysis Date:	10/09/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	338167	Analysis Time:	08:46	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	10.2	ug/L			10.0	102	86 --- 112		20
1,1,1-Trichloroethane	9.98	ug/L			10.0	100	88 --- 120		20
1,1,2,2-Tetrachloroethane	10.4	ug/L			10.0	104	83 --- 116		20
1,1,2-Trichloroethane	9.46	ug/L			10.0	95	86 --- 115		20
1,1-Dichloroethane	9.36	ug/L			10.0	94	86 --- 117		20
1,1-Dichloroethene	9.47	ug/L			10.0	95	86 --- 119		20
1,1-Dichloropropene	9.26	ug/L			10.0	93	87 --- 117		20
1,2 Dichloroethane-d4	99.0	% Recovery			100	99.0	90 --- 111		
1,2,3-Trichlorobenzene	9.50	ug/L			10.0	95	81 --- 114		20
1,2,3-Trichloropropane	9.77	ug/L			10.0	98	77 --- 120		20
1,2,4-Trichlorobenzene	9.20	ug/L			10.0	92	80 --- 116		20
1,2,4-Trimethylbenzene	10.3	ug/L			10.0	103	91 --- 118		20
1,2-Dibromo-3-chloropropane	10.1	ug/L			10.0	101	68 --- 122		20
1,2-Dibromoethane	10.4	ug/L			10.0	104	87 --- 113		20
1,2-Dichlorobenzene	9.83	ug/L			10.0	98	88 --- 113		20
1,2-Dichloroethane	9.73	ug/L			10.0	97	84 --- 120		20
1,2-Dichloropropane	9.68	ug/L			10.0	97	85 --- 116		20
1,3,5-Trimethylbenzene	10.0	ug/L			10.0	100	90 --- 119		20
1,3-Dichlorobenzene	9.97	ug/L			10.0	100	89 --- 113		20
1,3-Dichloropropane	9.66	ug/L			10.0	97	87 --- 115		20
1,4-Dichlorobenzene	10.2	ug/L			10.0	102	87 --- 113		20
2,2-Dichloropropane	10.4	ug/L			10.0	104	75 --- 127		20
2-Butanone	97.9	ug/L			100	98	68 --- 133		20
2-Chlorotoluene	9.63	ug/L			10.0	96	88 --- 117		20
2-Hexanone	111	ug/L			100	111	71 --- 134		20
4-Chlorotoluene	10.2	ug/L			10.0	102	88 --- 119		20
4-Methyl-2-pentanone	98.4	ug/L			100	98	78 --- 127		20
Acetone	99.6	ug/L			100	100	66 --- 137		20
Benzene	9.95	ug/L			10.0	100	90 --- 119		20
Bromobenzene	9.46	ug/L			10.0	95	86 --- 113		20
Bromochloromethane	9.51	ug/L			10.0	95	81 --- 120		20
Bromodichloromethane	9.52	ug/L			10.0	95	87 --- 116		20
Bromofluorobenzene	93.0	% Recovery			100	93.0	88 --- 108		
Bromoform	10.9	ug/L			10.0	109	72 --- 124		20
Bromomethane	12.6	ug/L			10.0	126	40 --- 169		20
Carbon disulfide	20.7	ug/L			20.0	104	89 --- 124		20
Carbon tetrachloride	9.84	ug/L			10.0	98	82 --- 127		20
Chlorobenzene	10.3	ug/L			10.0	103	89 --- 114		20
Chloroethane	10.6	ug/L			10.0	106	78 --- 128		20
Chloroform	9.68	ug/L			10.0	97	88 --- 115		20
Chloromethane	9.00	ug/L			10.0	90	63 --- 135		20
cis-1,2-Dichloroethene	9.41	ug/L			10.0	94	87 --- 115		20

Lab Control Spike Water

Analytical Run #:	165133	Analysis Date:	10/09/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	338167	Analysis Time:	08:46	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	9.51	ug/L			10.0	95	86 --- 115		20
d8-Toluene	99.0	% Recovery			100	99.0	95 --- 105		
Dibromochloromethane	10.7	ug/L			10.0	107	82 --- 117		20
Dibromofluoromethane	103	% Recovery			100	103	92 --- 107		
Dibromomethane	9.43	ug/L			10.0	94	84 --- 115		20
Dichlorodifluoromethane	9.96	ug/L			10.0	100	76 --- 129		20
Diisopropyl ether	9.80	ug/L			10.0	98	82 --- 123		20
Ethylbenzene	10.3	ug/L			10.0	103	92 --- 119		20
Hexachlorobutadiene	8.87	ug/L			10.0	89	84 --- 120		20
Isopropylbenzene	10.3	ug/L			10.0	103	91 --- 121		20
m & p-Xylene	20.6	ug/L			20.0	103	91 --- 117		20
Methyl tert-butyl ether	9.34	ug/L			10.0	93	85 --- 115		20
Methylene chloride	9.71	ug/L			10.0	97	71 --- 128		20
n-Butylbenzene	10.1	ug/L			10.0	101	88 --- 122		20
n-Propylbenzene	10.4	ug/L			10.0	104	90 --- 123		20
Naphthalene	9.73	ug/L			10.0	97	64 --- 129		20
o-Xylene	9.80	ug/L			10.0	98	89 --- 115		20
p-Isopropyltoluene	10.2	ug/L			10.0	102	91 --- 119		20
sec-Butylbenzene	10.1	ug/L			10.0	101	92 --- 122		20
Styrene	10.4	ug/L			10.0	104	90 --- 116		20
tert-Butylbenzene	9.57	ug/L			10.0	96	90 --- 118		20
Tetrachloroethene	9.64	ug/L			10.0	96	86 --- 120		20
Tetrahydrofuran	94.4	ug/L			100	94	72 --- 135		20
Toluene	9.76	ug/L			10.0	98	89 --- 117		20
trans-1,2-Dichloroethene	9.99	ug/L			10.0	100	86 --- 116		20
trans-1,3-Dichloropropene	10.0	ug/L			10.0	100	84 --- 115		20
Trichloroethene	8.41	ug/L			10.0	84	86 --- 117		20
Trichlorofluoromethane	10.0	ug/L			10.0	100	83 --- 133		20
Vinyl acetate	119	ug/L			100	119	60 --- 147		20
Vinyl chloride	10.9	ug/L			10.0	109	84 --- 124		20

Method Blank Water

Analytical Run #:	165133	Analysis Date:	10/09/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	338337	Analysis Time:	10:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	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	106	% Recovery			100	106	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	100	% Recovery			100	100	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 #:	165133	Analysis Date:	10/09/2019	Prep Batch #:		Matrix:	LIQUID
CTLab #:	338337	Analysis Time:	10:16	Prep Date/Time:		Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:			

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.16	ug/L		U	0		0.16		
d8-Toluene	98.0	% Recovery			100	98.0	85 --- 117		
Dibromochloromethane	0.3	ug/L		U	0		0.3		
Dibromofluoromethane	100	% Recovery			100	100	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		

Lab Control Spike Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOLID
CTLab #:	337766	Analysis Time:	10:52	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.491	mg/kg			0.500	98	70 --- 130		20
1,1,1-Trichloroethane	0.537	mg/kg			0.500	107	70 --- 130		20
1,1,2,2-Tetrachloroethane	0.463	mg/kg			0.500	93	70 --- 130		20
1,1,2-Trichloroethane	0.502	mg/kg			0.500	100	70 --- 130		20
1,1-Dichloroethane	0.526	mg/kg			0.500	105	70 --- 130		20
1,1-Dichloroethene	0.503	mg/kg			0.500	101	67 --- 130		20
1,1-Dichloropropene	0.498	mg/kg			0.500	100	70 --- 130		20
1,2 Dichloroethane-d4	100	% Recovery			100	100	70 --- 130		
1,2,3-Trichlorobenzene	0.514	mg/kg			0.500	103	70 --- 130		20
1,2,3-Trichloropropane	0.547	mg/kg			0.500	109	68 --- 130		20
1,2,4-Trichlorobenzene	0.525	mg/kg			0.500	105	70 --- 130		20
1,2,4-Trimethylbenzene	0.515	mg/kg			0.500	103	70 --- 130		20
1,2-Dibromo-3-chloropropane	0.430	mg/kg			0.500	86	60 --- 131		20
1,2-Dibromoethane	0.513	mg/kg			0.500	103	70 --- 130		20
1,2-Dichlorobenzene	0.518	mg/kg			0.500	104	70 --- 130		20
1,2-Dichloroethane	0.570	mg/kg			0.500	114	70 --- 130		20
1,2-Dichloropropane	0.486	mg/kg			0.500	97	70 --- 130		20
1,3,5-Trimethylbenzene	0.533	mg/kg			0.500	107	70 --- 130		20
1,3-Dichlorobenzene	0.526	mg/kg			0.500	105	70 --- 130		20
1,3-Dichloropropane	0.507	mg/kg			0.500	101	70 --- 130		20
1,4-Dichlorobenzene	0.496	mg/kg			0.500	99	70 --- 130		20
2,2-Dichloropropane	0.572	mg/kg			0.500	114	57 --- 135		20
2-Butanone	4.95	mg/kg			5.00	99	70 --- 130		20
2-Chlorotoluene	0.516	mg/kg			0.500	103	70 --- 130		20
2-Hexanone	5.39	mg/kg			5.00	108	70 --- 134		20
4-Chlorotoluene	0.516	mg/kg			0.500	103	70 --- 130		20
4-Methyl-2-pentanone	5.42	mg/kg			5.00	108	70 --- 130		20
Acetone	5.52	mg/kg			5.00	110	63 --- 139		20
Benzene	0.515	mg/kg			0.500	103	70 --- 130		20
Bromobenzene	0.521	mg/kg			0.500	104	70 --- 130		20
Bromochloromethane	0.515	mg/kg			0.500	103	70 --- 130		20
Bromodichloromethane	0.490	mg/kg			0.500	98	70 --- 130		20
Bromofluorobenzene	101	% Recovery			100	101	70 --- 130		
Bromoform	0.446	mg/kg			0.500	89	70 --- 130		20
Bromomethane	0.726	mg/kg			0.500	145	9 --- 149		20
Carbon disulfide	1.06	mg/kg			1.00	106	64 --- 136		20
Carbon tetrachloride	0.541	mg/kg			0.500	108	70 --- 130		20
Chlorobenzene	0.510	mg/kg			0.500	102	70 --- 130		20
Chloroethane	0.578	mg/kg			0.500	116	38 --- 153		20
Chloroform	0.497	mg/kg			0.500	99	70 --- 130		20
Chloromethane	0.492	mg/kg			0.500	98	70 --- 130		20
cis-1,2-Dichloroethene	0.514	mg/kg			0.500	103	70 --- 130		20

Lab Control Spike Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOLID
CTLab #:	337766	Analysis Time:	10:52	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.522	mg/kg			0.500	104	70 --- 130		20
d8-Toluene	100	% Recovery			100	100	70 --- 130		
Dibromochloromethane	0.449	mg/kg			0.500	90	70 --- 130		20
Dibromofluoromethane	104	% Recovery			100	104	70 --- 130		
Dibromomethane	0.461	mg/kg			0.500	92	70 --- 130		20
Dichlorodifluoromethane	0.563	mg/kg			0.500	113	70 --- 130		20
Diisopropyl ether	0.504	mg/kg			0.500	101	70 --- 130		20
Ethylbenzene	0.515	mg/kg			0.500	103	70 --- 130		20
Hexachlorobutadiene	0.551	mg/kg			0.500	110	70 --- 130		20
Isopropylbenzene	0.502	mg/kg			0.500	100	70 --- 130		20
m & p-Xylene	1.01	mg/kg			1.00	101	70 --- 130		20
Methyl tert-butyl ether	0.519	mg/kg			0.500	104	70 --- 130		20
Methylene chloride	0.490	mg/kg			0.500	98	70 --- 130		20
n-Butylbenzene	0.523	mg/kg			0.500	105	70 --- 130		20
n-Propylbenzene	0.533	mg/kg			0.500	107	70 --- 130		20
Naphthalene	0.534	mg/kg			0.500	107	70 --- 130		20
o-Xylene	0.504	mg/kg			0.500	101	70 --- 130		20
p-Isopropyltoluene	0.524	mg/kg			0.500	105	70 --- 130		20
sec-Butylbenzene	0.529	mg/kg			0.500	106	70 --- 130		20
Styrene	0.510	mg/kg			0.500	102	70 --- 130		20
tert-Butylbenzene	0.517	mg/kg			0.500	103	70 --- 130		20
Tetrachloroethene	0.549	mg/kg			0.500	110	70 --- 130		20
Tetrahydrofuran	5.06	mg/kg			5.00	101	70 --- 130		20
Toluene	0.491	mg/kg			0.500	98	70 --- 130		20
trans-1,2-Dichloroethene	0.475	mg/kg			0.500	95	61 --- 132		20
trans-1,3-Dichloropropene	0.535	mg/kg			0.500	107	70 --- 130		20
Trichloroethene	0.500	mg/kg			0.500	100	70 --- 130		20
Trichlorofluoromethane	0.629	mg/kg			0.500	126	5 --- 154		20
Vinyl Acetate	5.51	mg/kg			5.00	110	59 --- 147		20
Vinyl chloride	0.515	mg/kg			0.500	103	70 --- 131		20

Method Blank Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOLID
CTLab #:	337765	Analysis Time:	11:48	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.060	mg/kg		U	0		0.060		
1,1,1-Trichloroethane	0.016	mg/kg		U	0		0.016		
1,1,2,2-Tetrachloroethane	0.021	mg/kg		U	0		0.021		
1,1,2-Trichloroethane	0.012	mg/kg		U	0		0.012		
1,1-Dichloroethane	0.007	mg/kg		U	0		0.007		
1,1-Dichloroethene	0.021	mg/kg		U	0		0.021		
1,1-Dichloropropene	0.027	mg/kg		U	0		0.027		
1,2 Dichloroethane-d4	104	% Recovery			100	104	78 --- 118		
1,2,3-Trichlorobenzene	0.011	mg/kg		U	0		0.011		
1,2,3-Trichloropropane	0.040	mg/kg		U	0		0.040		
1,2,4-Trichlorobenzene	0.017	mg/kg		U	0		0.017		
1,2,4-Trimethylbenzene	0.011	mg/kg		U	0		0.011		
1,2-Dibromo-3-chloropropane	0.070	mg/kg		U	0		0.070		
1,2-Dibromoethane	0.011	mg/kg		U	0		0.011		
1,2-Dichlorobenzene	0.015	mg/kg		U	0		0.015		
1,2-Dichloroethane	0.022	mg/kg		U	0		0.022		
1,2-Dichloropropane	0.026	mg/kg		U	0		0.026		
1,3,5-Trimethylbenzene	0.013	mg/kg		U	0		0.013		
1,3-Dichlorobenzene	0.014	mg/kg		U	0		0.014		
1,3-Dichloropropane	0.014	mg/kg		U	0		0.014		
1,4-Dichlorobenzene	0.015	mg/kg		U	0		0.015		
2,2-Dichloropropane	0.021	mg/kg		U	0		0.021		
2-Butanone	0.400	mg/kg		U	0		0.400		
2-Chlorotoluene	0.018	mg/kg		U	0		0.018		
2-Hexanone	0.200	mg/kg		U	0		0.200		
4-Chlorotoluene	0.015	mg/kg		U	0		0.015		
4-Methyl-2-pentanone	0.180	mg/kg		U	0		0.180		
Acetone	0.400	mg/kg		U	0		0.400		
Benzene	0.011	mg/kg		U	0		0.011		
Bromobenzene	0.016	mg/kg		U	0		0.016		
Bromochloromethane	0.017	mg/kg		U	0		0.017		
Bromodichloromethane	0.014	mg/kg		U	0		0.014		
Bromofluorobenzene	99.0	% Recovery			100	99.0	83 --- 132		
Bromoform	0.060	mg/kg		U	0		0.060		
Bromomethane	0.090	mg/kg		U	0		0.090		
Carbon disulfide	0.040	mg/kg		U	0		0.040		
Carbon tetrachloride	0.014	mg/kg		U	0		0.014		
Chlorobenzene	0.010	mg/kg		U	0		0.010		
Chloroethane	0.030	mg/kg		U	0		0.030		
Chloroform	0.016	mg/kg		U	0		0.016		
Chloromethane	0.030	mg/kg		U	0		0.030		
cis-1,2-Dichloroethene	0.027	mg/kg		U	0		0.027		

Method Blank Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOLID
CTLab #:	337765	Analysis Time:	11:48	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:		Analyst:	RLD	Prep Analyst:	TMG		

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	mg/kg		U	0		0.014		
d8-Toluene	101	% Recovery			100	101	82 --- 124		
Dibromochloromethane	0.040	mg/kg		U	0		0.040		
Dibromofluoromethane	105	% Recovery			100	105	79 --- 119		
Dibromomethane	0.021	mg/kg		U	0		0.021		
Dichlorodifluoromethane	0.050	mg/kg		U	0		0.050		
Diisopropyl ether	0.018	mg/kg		U	0		0.018		
Ethylbenzene	0.011	mg/kg		U	0		0.011		
Hexachlorobutadiene	0.023	mg/kg		U	0		0.023		
Isopropylbenzene	0.013	mg/kg		U	0		0.013		
m & p-Xylene	0.025	mg/kg		U	0		0.025		
Methyl tert-butyl ether	0.016	mg/kg		U	0		0.016		
Methylene chloride	0.060	mg/kg		U	0		0.060		
n-Butylbenzene	0.017	mg/kg		U	0		0.017		
n-Propylbenzene	0.013	mg/kg		U	0		0.013		
Naphthalene	0.015	mg/kg		U	0		0.015		
o-Xylene	0.007	mg/kg		U	0		0.007		
p-Isopropyltoluene	0.013	mg/kg		U	0		0.013		
sec-Butylbenzene	0.011	mg/kg		U	0		0.011		
Styrene	0.016	mg/kg		U	0		0.016		
tert-Butylbenzene	0.012	mg/kg		U	0		0.012		
Tetrachloroethene	0.011	mg/kg		U	0		0.011		
Tetrahydrofuran	0.250	mg/kg		U	0		0.250		
Toluene	0.016	mg/kg		U	0		0.016		
trans-1,2-Dichloroethene	0.014	mg/kg		U	0		0.014		
trans-1,3-Dichloropropene	0.040	mg/kg		U	0		0.040		
Trichloroethene	0.019	mg/kg		U	0		0.019		
Trichlorofluoromethane	0.040	mg/kg		U	0		0.040		
Vinyl Acetate	0.400	mg/kg		U	0		0.400		
Vinyl chloride	0.019	mg/kg		U	0		0.019		

Matrix Spike Duplicate Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOIL
CTLab #:	337769	Analysis Time:	21:15	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:	337768	Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.453	mg/kg	BDL		0.465	97	70 --- 130	2	20
1,1,1-Trichloroethane	0.548	mg/kg	BDL		0.465	118	70 --- 130	2	20
1,1,2,2-Tetrachloroethane	0.421	mg/kg	BDL		0.465	91	39 --- 130	5	20
1,1,2-Trichloroethane	0.447	mg/kg	BDL		0.465	96	70 --- 130	1	20
1,1-Dichloroethane	0.508	mg/kg	BDL		0.465	109	70 --- 130	2	21
1,1-Dichloroethene	0.436	mg/kg	BDL		0.465	94	70 --- 130	4	20
1,1-Dichloropropene	0.460	mg/kg	BDL		0.465	99	70 --- 130	7	20
1,2 Dichloroethane-d4	102	% Recovery			100	102	70 --- 130		
1,2,3-Trichlorobenzene	0.493	mg/kg	BDL		0.465	106	70 --- 130	3	47
1,2,3-Trichloropropane	0.451	mg/kg	BDL		0.465	97	70 --- 130	3	20
1,2,4-Trichlorobenzene	0.495	mg/kg	BDL		0.465	106	70 --- 130	3	35
1,2,4-Trimethylbenzene	0.510	mg/kg	0.0382		0.465	101	70 --- 130	0	20
1,2-Dibromo-3-chloropropane	0.398	mg/kg	BDL		0.465	86	61 --- 130	4	29
1,2-Dibromoethane	0.451	mg/kg	BDL		0.465	97	70 --- 130	8	20
1,2-Dichlorobenzene	0.477	mg/kg	BDL		0.465	103	70 --- 130	3	20
1,2-Dichloroethane	0.595	mg/kg	BDL		0.465	128	70 --- 130	0	20
1,2-Dichloropropane	0.471	mg/kg	BDL		0.465	101	70 --- 130	5	20
1,3,5-Trimethylbenzene	0.474	mg/kg	BDL		0.465	102	70 --- 130	2	20
1,3-Dichlorobenzene	0.495	mg/kg	BDL		0.465	106	70 --- 130	1	20
1,3-Dichloropropane	0.466	mg/kg	BDL		0.465	100	70 --- 130	8	20
1,4-Dichlorobenzene	0.488	mg/kg	BDL		0.465	105	70 --- 130	6	20
2,2-Dichloropropane	0.466	mg/kg	BDL		0.465	100	62 --- 130	10	33
2-Butanone	4.97	mg/kg	BDL		4.65	107	70 --- 130	2	24
2-Chlorotoluene	0.488	mg/kg	BDL		0.465	105	70 --- 130	1	20
2-Hexanone	5.38	mg/kg	BDL		4.65	116	70 --- 130	1	25
4-Chlorotoluene	0.470	mg/kg	BDL		0.465	101	70 --- 130	3	20
4-Methyl-2-pentanone	5.31	mg/kg	BDL		4.65	114	70 --- 130	1	21
Acetone	5.68	mg/kg	BDL		4.65	122	70 --- 139	0	50
Benzene	0.465	mg/kg	BDL		0.465	100	70 --- 130	3	24
Bromobenzene	0.457	mg/kg	BDL		0.465	98	70 --- 130	3	20
Bromochloromethane	0.475	mg/kg	BDL		0.465	102	70 --- 131	0	20
Bromodichloromethane	0.487	mg/kg	BDL		0.465	105	70 --- 130	8	20
Bromofluorobenzene	101	% Recovery			100	101	70 --- 130		
Bromoform	0.388	mg/kg	BDL		0.465	83	70 --- 130	13	20
Bromomethane	0.729	mg/kg	BDL		0.465	157	1 --- 288	16	35
Carbon disulfide	0.931	mg/kg	BDL		0.930	100	70 --- 130	2	22
Carbon tetrachloride	0.526	mg/kg	BDL		0.465	113	65 --- 133	0	20
Chlorobenzene	0.466	mg/kg	BDL		0.465	100	70 --- 130	4	20
Chloroethane	0.585	mg/kg	BDL		0.465	126	39 --- 162	3	35
Chloroform	0.487	mg/kg	BDL		0.465	105	70 --- 130	1	20
Chloromethane	0.449	mg/kg	BDL		0.465	97	68 --- 144	2	25
cis-1,2-Dichloroethene	0.428	mg/kg	BDL		0.465	92	70 --- 130	10	20

Matrix Spike Duplicate Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOIL
CTLab #:	337769	Analysis Time:	21:15	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:	337768	Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.471	mg/kg	BDL		0.465	101	70 --- 130	2	20
d8-Toluene	101	% Recovery			100	101	70 --- 130		
Dibromochloromethane	0.407	mg/kg	BDL		0.465	88	63 --- 130	2	20
Dibromofluoromethane	104	% Recovery			100	104	70 --- 130		
Dibromomethane	0.487	mg/kg	BDL		0.465	105	70 --- 130	1	20
Dichlorodifluoromethane	0.527	mg/kg	BDL		0.465	113	70 --- 140	4	20
Diisopropyl ether	0.501	mg/kg	BDL		0.465	108	76 --- 124	2	28
Ethylbenzene	0.496	mg/kg	BDL		0.465	107	70 --- 130	4	24
Hexachlorobutadiene	0.529	mg/kg	BDL		0.465	114	70 --- 130	4	23
Isopropylbenzene	0.485	mg/kg	BDL		0.465	104	70 --- 130	7	20
m & p-Xylene	0.954	mg/kg	0.0371		0.930	99	70 --- 130	5	20
Methyl tert-butyl ether	0.524	mg/kg	BDL		0.465	113	70 --- 130	1	26
Methylene chloride	0.479	mg/kg	BDL		0.465	103	46 --- 138	1	24
n-Butylbenzene	0.490	mg/kg	BDL		0.465	105	70 --- 130	2	20
n-Propylbenzene	0.498	mg/kg	BDL		0.465	107	70 --- 130	1	20
Naphthalene	0.563	mg/kg	0.0624		0.465	108	70 --- 130	3	20
o-Xylene	0.510	mg/kg	0.0521		0.465	98	70 --- 130	6	24
p-Isopropyltoluene	0.488	mg/kg	BDL		0.465	105	70 --- 130	0	20
sec-Butylbenzene	0.491	mg/kg	BDL		0.465	106	70 --- 130	1	20
Styrene	0.472	mg/kg	BDL		0.465	102	70 --- 130	3	20
tert-Butylbenzene	0.471	mg/kg	BDL		0.465	101	70 --- 130	1	20
Tetrachloroethene	0.515	mg/kg	BDL		0.465	111	65 --- 135	3	20
Tetrahydrofuran	4.76	mg/kg	BDL		4.65	102	70 --- 130	6	35
Toluene	0.495	mg/kg	BDL		0.465	106	70 --- 130	1	24
trans-1,2-Dichloroethene	0.444	mg/kg	BDL		0.465	95	70 --- 130	3	22
trans-1,3-Dichloropropene	0.501	mg/kg	BDL		0.465	108	70 --- 130	2	20
Trichloroethene	0.484	mg/kg	BDL		0.465	104	45 --- 196	1	20
Trichlorofluoromethane	0.641	mg/kg	BDL		0.465	138	1 --- 228	2	64
Vinyl Acetate	4.46	mg/kg	BDL		4.65	96	1 --- 164	7	168
Vinyl chloride	0.502	mg/kg	BDL		0.465	108	70 --- 146	2	20

Matrix Spike Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOIL
CTLab #:	337768	Analysis Time:	20:47	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:	335842	Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.464	mg/kg	BDL		0.465	100	70 --- 130		
1,1,1-Trichloroethane	0.536	mg/kg	BDL		0.465	115	70 --- 130		
1,1,2,2-Tetrachloroethane	0.442	mg/kg	BDL		0.465	95	39 --- 130		
1,1,2-Trichloroethane	0.452	mg/kg	BDL		0.465	97	70 --- 130		
1,1-Dichloroethane	0.517	mg/kg	BDL		0.465	111	70 --- 130		
1,1-Dichloroethene	0.455	mg/kg	BDL		0.465	98	70 --- 130		
1,1-Dichloropropene	0.492	mg/kg	BDL		0.465	106	70 --- 130		
1,2 Dichloroethane-d4	98.0	% Recovery			100	98.0	70 --- 130		
1,2,3-Trichlorobenzene	0.509	mg/kg	BDL		0.465	109	70 --- 130		
1,2,3-Trichloropropane	0.464	mg/kg	BDL		0.465	100	70 --- 130		
1,2,4-Trichlorobenzene	0.511	mg/kg	BDL		0.465	110	70 --- 130		
1,2,4-Trimethylbenzene	0.513	mg/kg	0.0382		0.465	102	70 --- 130		
1,2-Dibromo-3-chloropropane	0.384	mg/kg	BDL		0.465	83	61 --- 130		
1,2-Dibromoethane	0.490	mg/kg	BDL		0.465	105	70 --- 130		
1,2-Dichlorobenzene	0.464	mg/kg	BDL		0.465	100	70 --- 130		
1,2-Dichloroethane	0.595	mg/kg	BDL		0.465	128	70 --- 130		
1,2-Dichloropropane	0.494	mg/kg	BDL		0.465	106	70 --- 130		
1,3,5-Trimethylbenzene	0.485	mg/kg	BDL		0.465	104	70 --- 130		
1,3-Dichlorobenzene	0.491	mg/kg	BDL		0.465	106	70 --- 130		
1,3-Dichloropropane	0.503	mg/kg	BDL		0.465	108	70 --- 130		
1,4-Dichlorobenzene	0.461	mg/kg	BDL		0.465	99	70 --- 130		
2,2-Dichloropropane	0.516	mg/kg	BDL		0.465	111	62 --- 130		
2-Butanone	4.86	mg/kg	BDL		4.65	105	70 --- 130		
2-Chlorotoluene	0.492	mg/kg	BDL		0.465	106	70 --- 130		
2-Hexanone	5.44	mg/kg	BDL		4.65	117	70 --- 130		
4-Chlorotoluene	0.482	mg/kg	BDL		0.465	104	70 --- 130		
4-Methyl-2-pentanone	5.35	mg/kg	BDL		4.65	115	70 --- 130		
Acetone	5.70	mg/kg	BDL		4.65	123	70 --- 139		
Benzene	0.478	mg/kg	BDL		0.465	103	70 --- 130		
Bromobenzene	0.472	mg/kg	BDL		0.465	102	70 --- 130		
Bromochloromethane	0.477	mg/kg	BDL		0.465	103	70 --- 131		
Bromodichloromethane	0.451	mg/kg	BDL		0.465	97	70 --- 130		
Bromofluorobenzene	99.0	% Recovery			100	99.0	70 --- 130		
Bromoform	0.442	mg/kg	BDL		0.465	95	70 --- 130		
Bromomethane	0.855	mg/kg	BDL		0.465	184	1 --- 288		
Carbon disulfide	0.952	mg/kg	BDL		0.930	102	70 --- 130		
Carbon tetrachloride	0.528	mg/kg	BDL		0.465	114	65 --- 133		
Chlorobenzene	0.486	mg/kg	BDL		0.465	105	70 --- 130		
Chloroethane	0.604	mg/kg	BDL		0.465	130	39 --- 162		
Chloroform	0.484	mg/kg	BDL		0.465	104	70 --- 130		
Chloromethane	0.440	mg/kg	BDL		0.465	95	68 --- 144		
cis-1,2-Dichloroethene	0.474	mg/kg	BDL		0.465	102	70 --- 130		

Matrix Spike Soil

Analytical Run #:	165267	Analysis Date:	10/11/2019	Prep Batch #:	73844	Matrix:	SOIL
CTLab #:	337768	Analysis Time:	20:47	Prep Date/Time:	10/08/2019 14:35	Method:	SW8260C
Parent Sample #:	335842	Analyst:	RLD	Prep Analyst:	TMG		

Analyte	QC sample result	Units	Parent sample result	Qualifier(s)	Spike Amount Added	% Recovery	Control Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.482	mg/kg	BDL		0.465	104	70 --- 130		
d8-Toluene	102	% Recovery			100	102	70 --- 130		
Dibromochloromethane	0.415	mg/kg	BDL		0.465	89	63 --- 130		
Dibromofluoromethane	104	% Recovery			100	104	70 --- 130		
Dibromomethane	0.481	mg/kg	BDL		0.465	103	70 --- 130		
Dichlorodifluoromethane	0.548	mg/kg	BDL		0.465	118	70 --- 140		
Diisopropyl ether	0.511	mg/kg	BDL		0.465	110	76 --- 124		
Ethylbenzene	0.516	mg/kg	BDL		0.465	111	70 --- 130		
Hexachlorobutadiene	0.550	mg/kg	BDL		0.465	118	70 --- 130		
Isopropylbenzene	0.522	mg/kg	BDL		0.465	112	70 --- 130		
m & p-Xylene	0.999	mg/kg	0.0371		0.930	103	70 --- 130		
Methyl tert-butyl ether	0.528	mg/kg	BDL		0.465	114	70 --- 130		
Methylene chloride	0.483	mg/kg	BDL		0.465	104	46 --- 138		
n-Butylbenzene	0.482	mg/kg	BDL		0.465	104	70 --- 130		
n-Propylbenzene	0.495	mg/kg	BDL		0.465	106	70 --- 130		
Naphthalene	0.545	mg/kg	0.0624		0.465	104	70 --- 130		
o-Xylene	0.539	mg/kg	0.0521		0.465	105	70 --- 130		
p-Isopropyltoluene	0.490	mg/kg	BDL		0.465	105	70 --- 130		
sec-Butylbenzene	0.488	mg/kg	BDL		0.465	105	70 --- 130		
Styrene	0.488	mg/kg	BDL		0.465	105	70 --- 130		
tert-Butylbenzene	0.476	mg/kg	BDL		0.465	102	70 --- 130		
Tetrachloroethene	0.498	mg/kg	BDL		0.465	107	65 --- 135		
Tetrahydrofuran	5.04	mg/kg	BDL		4.65	108	70 --- 130		
Toluene	0.499	mg/kg	BDL		0.465	107	70 --- 130		
trans-1,2-Dichloroethene	0.456	mg/kg	BDL		0.465	98	70 --- 130		
trans-1,3-Dichloropropene	0.493	mg/kg	BDL		0.465	106	70 --- 130		
Trichloroethene	0.491	mg/kg	BDL		0.465	106	45 --- 196		
Trichlorofluoromethane	0.654	mg/kg	BDL		0.465	141	1 --- 228		
Vinyl Acetate	4.78	mg/kg	BDL		4.65	103	1 --- 164		
Vinyl chloride	0.491	mg/kg	BDL		0.465	106	70 --- 146		

CT

CHAIN OF CUSTODY RECORD

148568

PROJECT NO.	PROJECT NAME/CLIENT
51-0318.10	Knitting Mill

SAMPLERS: (Signature)

Folder #: 148568
Company: AYRES ASSOCIATES
Project: KNITTING MILL
Logged By: JRB PM: ET

SAMPLE NO.	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION/ DESCRIPTION	NO. OF CON-TAINERS	Field Filtered: Y / N — VOC	RCRA Metals							
1	9/30/19	10:08		X	KM-GP1 (4-5)	2	X	X							335837
2	9/30/19	10:33		X	KM-MW2 (4-5)	2	X	X							335838
3	9/30/19	11:00		X	KM-GP2 (2-3)	2	X	X							335839
4	9/30/19	11:24		X	KM-MW1 (3-4)	2	X	X							335840
5	9/30/19	11:53		X	KM-GP3 (3-4)	2	X	X							335841
6	9/30/19	12:14		X	KM-MW3 (1-3)	4	X	X					335842		including MS/MSD
7	9/30/19	13:15		X	KM-GP4 (4-5)	2	X	X							335843
8	9/30/19	13:46		X	KM-MW5 (2-4)	1		X							335844
9	10/1/19	12:27		X	KM-MW2	4	X	X							335845
10	10/1/19	13:04		X	KM-MW3	4	X	X							335846
11	10/1/19	13:57		X	KM-MW5	4	X	X							335847
12	10/1/19	14:27			KM-MW1	4	X	X							335848
13					trip blank	2	X								335849
14					trip blank	2	X								335854
15	9/30/19			X	duplicate	1		X							335841
16	10/1/19			X	duplicate	3	X								335806

Ayres Project Contact: Mitch Banach

Ayres Project Manager: Ben Peoples

Invoice To: Ayres

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)
	10/2/19 16:00			10/3/19 10:40	
		10/3/19 1046 JRB			

AYRES ASSOCIATES

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Shipped on ice: X yes ___ no

Received on ice: X yes ___ no

Temp. if not received on ice: ___

COMMENTS: Cooler 6207